

# Rajarshi Ghosh Dastidar | Associate Software Engineer



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| EDUCATION                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                     |                                                                                                                                                                                                           |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B. Tech IT                   | St. Thomas' College of Engineering & Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 9.08 GPA                                                                                            | 2023                                                                                                                                                                                                      |
| Class XII                    | Delhi Public School, Ruby Park, Kolkata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 82.2 %                                                                                              | 2019                                                                                                                                                                                                      |
| Class X                      | South Point High School                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 9.4 CGPA                                                                                            | 2017                                                                                                                                                                                                      |
| ACADEMIC ACHIEVEMENTS        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                     |                                                                                                                                                                                                           |
| Hackathon                    | ●1st Position in 'Healthcare' Domain in DECOV Mega Hackathon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                     | 2020                                                                                                                                                                                                      |
| Contests                     | ●All India Top-50 in Computer Society of India Discover Thinking Programming Contest                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                     | 2020                                                                                                                                                                                                      |
|                              | ●3rd Position at IEEE ML Accelerator Summit, Jadavpur University                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                     | 2019                                                                                                                                                                                                      |
| SKILLS AND CERTIFICATIONS    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                     |                                                                                                                                                                                                           |
| Skills                       | Programming Languages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                     | Technologies                                                                                                                                                                                              |
|                              | <ul style="list-style-type: none"><li>Python</li><li>Java</li><li>Bash</li><li>C/C++</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"><li>HTML5</li><li>JavaScript</li><li>SQL</li><li>Groovy</li></ul> | <ul style="list-style-type: none"><li>Django, Flask</li><li>Scikit-Learn, Tensorflow</li><li>Pandas, Matplotlib</li><li>React JS, Angular, JQuery</li><li>Spring Framework</li><li>Jenkins, Git</li></ul> |
| Certificates                 | NPTEL ( 2019 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                     | HackerRank ( 2022 )                                                                                                                                                                                       |
|                              | <ul style="list-style-type: none"><li>The Joy of Computing Using Python ( Elite + Silver )</li><li>Ethics in Engineering Practice ( Elite )</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                     | <ul style="list-style-type: none"><li>Javascript (Basic and Intermediate)</li><li>Python (Basic)</li><li>SQL (Basic)</li><li>Problem Solving (Basic)</li></ul>                                            |
|                              | Internshala Programming with Python                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                     | 2019                                                                                                                                                                                                      |
| Badges                       | Linkedin Skill Badges for Python, C, C++, Javascript and Django                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                     | 2021                                                                                                                                                                                                      |
| WORK EXPERIENCE & INTERSHIPS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                     |                                                                                                                                                                                                           |
| NRI FT India                 | Associate Software Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                     | 2023 - Present                                                                                                                                                                                            |
|                              | <ul style="list-style-type: none"><li>Developed a solution for improving view loading times by up to <b>5x</b> for slow database views by using a <b>cache aside strategy</b> and an <b>event driven architecture</b> to load data to <b>redis</b> using a cache service.</li><li>Worked on <b>Spring Boot</b> backends and <b>Angular 12, JSP, HTML, CSS, Javascript</b> and <b>JQuery</b> frontends and <b>Jenkins</b> devops pipelines for an <b>asset management</b> application.</li><li><b>Led training sessions</b> and delivered Knowledge Transfer (KT) sessions, enhancing team capabilities and ensuring effective knowledge dissemination.</li></ul>                  |                                                                                                     |                                                                                                                                                                                                           |
| Truelancer                   | Freelance Python and Web Developer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                     | 2021-2023                                                                                                                                                                                                 |
|                              | <ul style="list-style-type: none"><li>Created <b>multithreaded web scraping, data processing</b> and <b>image manipulation scripts</b> to generate and process large datasets with <b>10-15x speed improvement</b> over previous methods</li><li>Developed and deployed <b>multiple fullstack web projects</b> using Django, NodeJS, HTML, JS and React.</li><li>Worked on <b>automation</b> of an android app using ADB and Python scripts with image detection.</li><li>Developed <b>tkinter GUI app</b> to use AWS textract api and generate data from invoices</li><li>Developed a customized <b>ML object recognition model</b> for mobile deployment using YOLOv4</li></ul> |                                                                                                     |                                                                                                                                                                                                           |
| Youth India Foundation       | Web Development Intern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                     | 2020                                                                                                                                                                                                      |
|                              | <ul style="list-style-type: none"><li>Worked on designing and implementing several websites in Django, HTML, CSS and JS</li><li>Managed <b>hosting and domains</b> for each website on a VPS</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                     |                                                                                                                                                                                                           |
| Q2Success                    | Fullstack Web and Python Developer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                     | 2020-2021                                                                                                                                                                                                 |
|                              | <ul style="list-style-type: none"><li>Developed <b>Django</b> and <b>Flask</b> applications with <b>Restful API</b> integrations</li><li>Developed <b>AI proctoring module</b> for exam website using Tensorflow JS</li><li>Developed a <b>GUI automation tool</b> to automate a desktop application</li></ul>                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                     |                                                                                                                                                                                                           |
| POSITIONS OF RESPONSIBILITY  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                     |                                                                                                                                                                                                           |
| ABHA Mission SHE             | IT Volunteer and Website Maintainer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                     | 2020-2021                                                                                                                                                                                                 |
|                              | <ul style="list-style-type: none"><li>Managed social media, website, live events, and forms for the NGO, while also handling video editing and content creation for YouTube</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                                                                                                                                                           |
| PROJECTS                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                     |                                                                                                                                                                                                           |
| Hospital Finder              | <ul style="list-style-type: none"><li>Django based <b>PWA</b> which helps find hospitals and contacts with doctors during emergencies. Also provides COVID-19 symptomatic analysis, tracker and a diet charter</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                     | 2020                                                                                                                                                                                                      |
| FunApp                       | <ul style="list-style-type: none"><li>A fun personal project to send anonymous messages to friends</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                     | 2020                                                                                                                                                                                                      |
| CircuitSim                   | <ul style="list-style-type: none"><li>A simple django and javascript (P5.js) logic circuit simulation website</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                     | 2020                                                                                                                                                                                                      |
| LANGUAGES                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                     |                                                                                                                                                                                                           |
|                              | English (Fluent)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Bengali (Native Speaker)                                                                            | Hindi (Conversational)                                                                                                                                                                                    |
| EXTRA-CURRICULAR ACTIVITIES  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                     |                                                                                                                                                                                                           |
| Hobbies                      | <ul style="list-style-type: none"><li>Playing Guitar, Listening to music</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                     |                                                                                                                                                                                                           |

