

# SYEDA JUVERIA AFREEN

## SOFTWARE ENGINEER

[Email](#) | [WhatsApp](#) | [GitHub](#) | [Linkedin](#) | [Portfolio](#) | Jeddah, Saudi Arabia

### OBJECTIVE

**Dynamic Software Engineer** with **4+ years** of experience in web, app, and game development. Proficient in **Languages** like HTML/CSS, **JavaScript**, **React/Redux**, Ruby on Rails, **MEAN** stack, **Python**, **Unity**, and more. Skilled in leveraging **No Code Development** tools like **Wix**, **Webflow**, **WordPress**, **Shopify**, **Bubble**, **Mailchimp** and more to create efficient and scalable solutions. Actively seeking **full-time** or **part-time** remote opportunities in **software development**, **robotics**, and **AI/automation** to drive innovation and deliver impactful results through advanced technology.

### SKILLS

**Front-End:** HTML5, CSS3, JavaScript, React, Redux, Next.js, JQuery, AJAX, Bootstrap, Angular, TypeScript, C++, C#, PHP  
**Back-End:** Laravel, Ruby, Ruby on Rails, Python, Node.js, Express.js, AWS  
**Database Management:** MySQL, PostgreSQL, MongoDB, Firebase, Docker  
**No-Code Platforms:** Webflow, Wix, WordPress, Shopify, Weebly, Mailchimp, Carrd, Glide, AppSheet, Systeme, Airtable, Bubble, Zapier, Make.com  
**Tools & Methods:** Git, GitHub, Heroku, Netlify, Vercel, Mobile/Responsive Development, RSpec, TDD, Chrome Dev Tools, Visual Studio Code, Code Review, WebPack, Error Handling, MATLAB, Unity, Unreal Engine  
**Soft Skills:** Communication, Leadership, Team Work, Collaboration, Time Management, Problem Solving, Decision Making, Planning, Quick Learning, Persistence, Critical Thinking, Mentoring

### EXPERIENCE

<b>ANIXSOFT</b> (Jeddah, Makkah, Saudi Arabia) <b>Full Stack Web Developer</b> (Freelance)	<b>Remote</b> Aug 2025 – Present
<ul style="list-style-type: none"><li>Develop and maintain web applications using Laravel, PHP, React, Next.js, and WordPress.</li><li>Handle project setup, deployment, and server management.</li><li>Work on new features, bug fixes, and testing to ensure smooth performance.</li></ul>	
<b>ESCAPE APP AI</b> (Indianapolis, Indiana, United States) <b>AI &amp; Game QA Developer</b> (Internship)	<b>Remote</b> May 2025 – Present
<ul style="list-style-type: none"><li>Contributing to both machine learning integration and game development, focusing on intelligent avatar behaviour, facial mood tracking, and adaptive narrative logic.</li><li>Testing and debugging iOS builds to ensure performance, stability, and responsiveness across devices.</li><li>Assisting in the implementation of AI features using PyTorch and exploring TensorFlow for generative and computer vision-based enhancements.</li><li>Collaborating with developers to refine gameplay, optimise user experience, and validate AI/ML interactions through structured QA processes.</li></ul>	
<b>Unreal Engine QA Developer(IOS)</b> (Internship)	May 2025 – June 2025
<ul style="list-style-type: none"><li>Contributed to the development and QA of EscapeApp, an immersive AI-based storytelling experience where user choices shape real-time narrative outcomes.</li><li>Tested and debugged iOS builds developed using Unreal Engine, ensuring performance, stability, and responsiveness across mobile devices.</li><li>Reported, tracked, and verified bugs; collaborated closely with developers to identify root causes and implement timely fixes.</li><li>Assisted in tasks including gameplay refinement and optimisation for mobile platforms.</li></ul>	
<b>SJA PATHWAY</b> (Jeddah, Makkah, Saudi Arabia) <b>Founder &amp; CEO</b> (Part Time)	<b>Remote</b> March 2025 – Present
<ul style="list-style-type: none"><li>Launched and scaled two tailored pathways for job seekers and career changers, leading to faster job placements.</li><li>Provided 1:1 resume reviews, interview coaching, and insider access through recruiter partnerships.</li><li>Built a thriving career community with exclusive job leads and growth-focused resources.</li></ul>	
<b>GLOBAL CONTRIVER</b> (Kandy, Central Province, Sri Lanka) <b>Lead Consultant - Web and Software Development</b> (Freelance)	<b>Remote</b> Oct 2024 – Sep 2025

- Offer consulting and development services for custom web and software solutions, managing projects end-to-end across diverse industries.
- Collaborate with clients and teams globally, including regions like Sri Lanka, UAE, Singapore, Maldives, and Australia, to ensure timely delivery and client satisfaction.

**GAOTEK INC** (NewYork, United States)

**WordPress Web Developer** (Internship)

**Remote**

May 2025 – July 2025

- Worked with WordPress to develop and maintain websites.
- Attended regular team meetings and project discussions.
- Utilized plugins to enhance site functionality.
- Integrated and managed WooCommerce for e-commerce features.

**FINE HOSTED LLC** (Orlando, Florida, United States)

**Full Stack PHP Developer** (Part Time)

**Remote**

June 2025 – June 2025

- Designed, developed, maintained scalable web applications with a focus on performance, security, PSR-compliant code.
- Built & optimised applications using PHP, Laravel, Symfony, JavaScript, MySQL, HTML/CSS, WHMCS API integration as well as created WordPress website using plugins and themes..
- Enhanced front-end performance using advanced CSS techniques, ensured secure practices like CSRF protection and robust error handling.
- Collaborated with cross-functional teams to deliver projects on time, integrating Python fundamentals for backend support.

**BETR BETA** (Singapore)

**Python Developer** (Internship)

**Remote**

May 2025 – May 2025

- Deployed and managed Python-based applications on Google Cloud Platform using App Engine.
- Worked with Python, GitHub, and Docker for development, version control, and containerisation.
- Gained hands-on experience in cloud deployment, enhancing skills in backend services and infrastructure management.

**APEX GAMES** (St. Paul, Minnesota, United States)

**Co-Founder & CTO** (Freelance)

**Remote**

Sep 2022 – June 2025

- Directed the development of the **Apex Carnival Game** (Unity, C#) and the **Apex Website** (React).
- Mentored team members and aligned technical strategies with business objectives. Experienced in deploying applications via **Vercel**, both independently and collaboratively, ensuring seamless deployment processes.
- Secured a small **grant** and **partnered** with **Microverse** for talent acquisition.
- Delivered a **tech talk** on development insights at Microverse, attended by 150+ industry professionals and students.

**ITELESCOPE** (Beaconsfield, Victoria, Australia)

**Software Developer** (Contract)

**Remote**

Feb 2025 – April 2025

- Modernised legacy codebases (C#, VB, VBScript, JScript) to enhance functionality and scalability.
- Developed and integrated front-end and back-end solutions using .NET Core, Blazor, and Classic ASP, with a focus on responsiveness and user experience.
- Automated workflows by creating PowerShell and Batch scripts, improving operational efficiency.

**LEARN ROBOTICS AND AI** (Riederich, Baden-Württemberg, Germany)

Content Creator (Technical Blogging) (Internship) - [\[Exp.Cert\]](#)

**Remote**

Jan 2025 – Mar 2025

- Research and write high-quality, engaging blog posts on robotics and AI, simplifying complex concepts for diverse audiences.
- Publish three blog posts weekly with accuracy and timely delivery, aligning content with the company's mission to educate and inspire in robotics.
- Leverage creative freedom to create impactful articles on a variety of technical topics.

**KHEPRI SERVICE** (Paris, Île-de-France, France)

**Lead Software Engineer** (Freelance)

**Remote**

May 2024 – Feb 2025

- Managed resources across **traditional (HTML, CSS, JS, TypeScript, React, etc) & no-code projects (Webflow, Carrd, Mailchimp, Systeme, Shopify, etc)**, ensuring efficient project delivery.
- Designed and built the company's **website** and optimised **landing pages**, boosting productivity by 20%.

**GENRAIT INC** (Austin, Texas, United States)

**Senior Software Engineer** (Full Time) - [\[Exp.Cert\]](#)

**Remote**

Jan 2023 – Feb 2024

- Developed robust software design and architecture, executed the software development life cycle, and produced clean,

efficient code using the **MEAN** stack (**Mongodb, Express.js, Angular, Node.js**), **Python** with **Fastapi**, and **AWS** for deployment. Enhanced application performance by **20%** through code and query optimisation.

- Developed and executed **end-to-end (E2E)** automated tests with **TestCafe, Cypress**, and **Docker**, ensuring comprehensive UI, functionality, and performance testing across browsers and environments.
- Implemented **machine learning algorithms** to contribute to **life sciences research**.

**DOVELP** (Luton, England, United Kingdom)

*Remote*

**Game Developer & Producer** (Contract) - [[Exp Cert](#)]

*Aug 2022 – April 2023*

- Managed timelines and budgets for "**Breaching Shadows**," ensuring quality delivery within deadlines.
- Enhanced audience engagement by collaborating with teams on gameplay mechanics using **Unity (C#)**.

**MICROVERSE** (San Francisco, California, United States)

*Remote*

**Technical Support Engineer** (Part Time) - [[Employ Cert](#)]

*March 2022 – Feb 2023*

- Provided **200+ remote technical support** to junior developers through **code reviews** on GitHub, with projects in **HTML, CSS, JavaScript, React, Redux, JavaScript, Ruby, Ruby on Rails, Postgresql** and improved the quality of over **600 pull requests**, significantly enhancing app performance.
- Reviewed and validated **unit tests** and **TDD** practices implemented by students, ensuring code reliability and quality during code reviews. Additionally, deployed websites using **Netlify** and **Heroku**, ensuring smooth and efficient deployment processes. Earned recognition as **Best Unapproved Code Reviewer (May 2022)** for outstanding contributions.

## EDUCATION

**STEVENS INSTITUTE OF TECHNOLOGY**

*Sep 2024 – Present*

**Master's of Engineering, Robotics** (Hoboken, New Jersey, USA)

- Specialising in Robotics through courses like **Robotics/Modern Control Engineering, Machine Learning, Python/C++**, **Computer-Aided Design, Autonomous Navigation, Biomechanics**, etc.
- **Project 1: Robot Arm Kinematics**, a group project involving **forward and inverse kinematics** for a **Dobot** using **MATLAB**.
- **Project 2: Image Processing for Vision-Based Tasks**, a group project developed for detecting and localising traffic cones using **blob analysis, color thresholding**, and **overhead visualisation** using **MATLAB** Algorithms.
- **Project 3: Simulating a Mobile Robot**, a group project focused on simulating a **differential drive robot** for **wall-following tasks** using **Simulink** and **MATLAB**, including **trajectory analysis**.
- **Project 4: Mobile Robot Object Sorting**, a group project implementing object detection, sorting, navigation, collision avoidance, and return-to-origin algorithms using **MATLAB** and **Simulink**.

**SURESH GYAN VIHAR UNIVERSITY**

*July 2018 – Oct 2021*

**Master's, Computer Application** (Jaipur, Rajasthan, India) - [[PG Cert](#)]

- Gained hands-on experience in **Web Technologies, Software Engineering, Advanced Software Development, Software Testing, C++, HTML, CSS, JS, PHP** and **Project Management**. Capstone Project: "**Atiana The Robo World**" [[Play Here](#)].

**ALAGAPPA UNIVERSITY**

*June 2014 – Aug 2017*

**Bachelor's, Computer Application** (Karaikudi, Tamil Nadu, India) - [[Grad Cert](#)]

- Explored advanced topics like **Microprocessors, Office Automation, Systems Analysis, MS Office, Business Communication, Internet Technologies, Oracle, Assembly language, C, C++, Java, RDBMS principles**, etc.

## PROJECTS

**Portfolio link give in the header.. It contains all the projects, contact info, social media links etc. If you want a quick access to projects then you can view below links:-**

- **Robotics-:** <https://sjathedude-portfolio.carrd.co/#robo>
- **Code -:** <https://sjathedude-portfolio.carrd.co/#code>
- **No code -:** <https://sjathedude-portfolio.carrd.co/#nocode>
- **Game -:** <https://sjathedude-portfolio.carrd.co/#games>

## CERTIFICATES

**IBM - AI Developer**

*May 2025 - Present*

**MATH WORKS - Computer Vision Engineer**

*May 2025 - Present*

**Python for Data Analysis: Pandas & Numpy (Coursera)** - [[Proj Cert](#)]

<b>MATH WORKS</b> - MATLAB Onramp - <a href="#">[Cert]</a> - Image Processing Onramp - <a href="#">[Cert]</a> - Simulink Onramp - <a href="#">[Cert]</a> - Simscape Onramp - <a href="#">[Cert]</a> - Stateflow Onramp <a href="#">[Cert]</a>	<i>Oct 2023 – Dec 2024</i>
<b>COURSERA PROJECT NETWORK</b> - Coursera Certificate - Webflow <a href="#">[Proj Cert]</a> - Google Sheets on Glide <a href="#">[Proj Cert]</a> - Carrd <a href="#">[Proj Cert]</a> - WordPress <a href="#">[Proj Cert]</a> - Weebly <a href="#">[Proj Cert]</a> - Mailchimp <a href="#">[Proj Cert]</a> - Shopify <a href="#">[Proj Cert]</a> - Airtable <a href="#">[Proj Cert]</a>	<i>May 2024 - July 2024</i>
<b>GOOGLE CLOUD</b> - Coursera Certificate - Visualising Data with Google Data Studio <a href="#">[Proj Cert]</a> - A Tour of Firebase - <a href="#">[Cert]</a> - Getting started with Firebase Email Authentication - <a href="#">[Cert]</a> - Getting started with Firebase Web - <a href="#">[Cert]</a>	<i>May 2024 - July 2024</i>
<b>UiPath</b> - Robotic Process Automation (RPA) Specialisation - Coursera Certificate - RPA Basics and Introduction to UiPath <a href="#">[Cert]</a>	<i>May 2024 - May 2024</i>
<b>UNIVERSITY OF PENNSYLVANIA</b> Robotics Specialisation - Coursera Certificate (Philadelphia, PA, USA) - Robotics: Aerial Robotics <a href="#">[Cert]</a> - Robotics: Computational Motion Planning <a href="#">[Cert]</a>	<i>Sep 2023 – Oct 2023</i>
<b>THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY</b> Mathematics for Engineers Specialisation - Coursera Certificate (Clear Water Bay Peninsula, New Territories, Hong Kong) - Matrix Algebra for Engineers <a href="#">[Cert]</a> - Differential Equations for Engineers <a href="#">[Cert]</a>	<i>Sep 2023 – Oct 2023</i>
<b>MICROVERSE</b> - Full Stack Software Development Program, (San Francisco, CA, USA) - <a href="#">[Cert]</a>	<i>Sep 2021 – April 2022</i>
<b>SHAW ACADEMY</b> - Diploma & Advanced Diploma (Dublin, Ireland) - Web Design <a href="#">[Cert]</a> - Web Development <a href="#">[Cert]</a> - Mobile App Development <a href="#">[Cert]</a>	<i>Aug 2018 – Dec 2018</i>