

Rishabh Agnihotri

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EDUCATION

Indian Institute of Information Technology, Bhopal - IIIT Bhopal

2020-2024

Bachelor of Technology – Computer Science(CSE)

CGPA: 8.99/10.00

Relevant Coursework: Data Structure & Algorithm, Object Oriented Programming, Operating System

Birla Institute of Technology and Science, Pilani – BITS Pilani (WILP)

2025-Present

Masters of Technology – Computer Science(CSE) in AI/ML

Relevant Coursework : Machine Learning, Deep Learning ,Statistical Methods, Artificial Intelligence

EXPERIENCE

Anuyog Software Solutions

Pune

Operations Engineer - Quantitative Trading

June 2024 - Present

- Developed a real-time trading dashboard featuring live performance graphs and a compact parameter interface using PyQt6 python library for dynamic multi-asset configuration.
- Engineered automated Python scripts utilizing NumPy and Pandas to calculate daily PnL and rigorously validate results against finance team records.
- Managed live trading server environments using Bash scripting to automate application restarts, configuration updates, and asset universe management for efficient operations.
- Managed AWS CI/CD pipelines to automate deployment workflows and streamline continuous integration processes.

D K Infosolutions Private Limited

Remote

PHP Developer Intern

June 2023 - August 2023

- Implemented a mortuary management system in Laravel, utilizing PHP and ReactJS, managing slot availability based on body presence, optimizing resource allocation
- Created an admin dashboard with role-based access using AdminLTEv3 for efficient mortuary operations management

BeamStack

Remote

Backend Developer Intern

June 2022 - August 2022

- Engineered a full-stack React and Node.js application, as the most junior member on the team to do so, enabling processing of 500+ CSV records daily with Redux state management.
- Secured backend operations using PostgreSQL, JWT, and Bcrypt, with automated email integration via Nodemailer.

PROJECTS

BiteSecure

[GITHUB](#)

- Developed MERN food delivery web application for sorting items by price/category, improving user browsing
- Utilized JSON Web Token (JWT) authentication to ensure secure access and protect user data within the application

QuickCart

[GITHUB](#)

- Built ecommerce web application enabling users to browse and sort items by price, enhancing shopping experience.
- Implemented a robust authentication system and integrated multiple payment gateways including UPI, credit card, and PayPal clients for secure order booking and confirmation.

VirtuoChat

[GITHUB](#)

- Established a real-time video conferencing component with NextJS, integrating WebRTC for peer-to-peer streaming (PeerJS v1.5) and Socket.IO v4.7 for room management and media control, enhancing collaborative experiences.
- Optimized VirtuoChat for 10+ users, demonstrating scalability and network management for real-time video conferencing.

LEADERSHIP

PRESIDENT – GNU/Linux Users Club

September 2022-August 2023

- Raised awareness of GNU and free/open-source software to over 100 students, emphasizing collaboration
- Conducted hands-on Linux workshops, guiding students to explore diverse functionalities and commands, resulting in enhanced troubleshooting skills and skill enhancement

Member of Web Development Team – GNU/Linux Users Club

October 2021 – July2022

- Hosted web development events in the local community for Codame Club, contributing to the creation and development of the club's official website, enhancing skill development opportunities.

SKILLS

Programming Languages: C, C++, Python, Java

Web Development: HTML, CSS, JavaScript, Node.js, Express.js, Tailwind, Bootstrap

Databases: MySQL, MongoDB, Postgresql

Developer Tools: Git, Github, VS Code, Postman, JSON, Netlify, AWS

Soft Skills: Leadership, Team Management, Creativity, Interpersonal and Intrapersonal Skills

ACHIEVEMENT

- Contributed Hacktoberfest 2021 by adding features, fixing bugs, and enhancing site performance through 6 pull requests
- Achieved proficiency in 2 tracks of Google Cloud Platform: Cloud Engineering and Data Science and Machine Learning
- Solved 400+ questions across various platforms like Leetcode and GFG, showcasing dedication and adept analytical abilities