

Rishabh Gupta

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EDUCATION

MIT WORLD PEACE UNIVERSITY

B.TECH. IN COMPUTER SCIENCE
ENGINEERING (ARTIFICIAL
INTELLIGENCE AND DATA SCIENCE)
Aug 2021 - Aug 2025 | Maharashtra,
India
C.G.P.A : 9.48

LINKS

Github:// @R1shabh-Gupta
LinkedIn:// @rishabhofficial
Leetcode:// @R1shabhGupta

ACHIEVEMENTS

- Solved more than 350+ DSA questions on various platforms.
- Winner of NASA International Space Apps Challenge out of 700+ teams.
- Winner of the Smart India Hackathon (Internal) among 350+ teams.
- Won HackMIT in 2024 and secured 3rd place out of 200+ teams in 2023.
- Head of the Innovators Hub Club's Web Development Department.
- Secured third place in the Hackoverflow Hackathon at Aarohan 2024
- Achieved a top 50 ranking among 1000 teams at the RISE Hackathon.

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms
Object-Oriented Programming
Database Management Systems
Operating Systems Design
Computer networks
Machine learning

SKILLS

LANGUAGES

• C • C++ • Python • JavaScript
• TypeScript

FRAMEWORKS/LIBRARIES

• React JS • WordPress • Docker
• HTML/CSS • Tailwind CSS • Node JS
• Express JS • Mongoose • Pandas
• Next JS • SQL • Power-BI • Tableau

EXPERIENCE

BMC SOFTWARE | RESEARCH AND DEVELOPMENT INTERN

January 2024 - July 2024 | Pune, Maharashtra

- Engineered a centralized **PostgreSQL** database to aggregate and display tenant and service data from multiple clusters, enabling a unified view across the organization.
- Optimized data insertion performance by implementing **JDBC stack updates and multithreading, resulting in a 92.7% improvement**, reducing the execution time from 23,959 milliseconds to 1,749 milliseconds.
- Created a user-friendly portal that allows users to visualize and retrieve tenant and service data in various clusters.

TIKAJ SECURITY | WEB DEVELOPER

September 2023 - January 2024 | Remote

- Spearheaded the development of **ScamX**, a phishing report website.
- Designed and enhanced frontend UI for PhishGrid, HuntoAI projects using **React.js and Tailwind CSS**.
- Boosted daily visitor count by 3000+ by implementing SEO strategies, resulting in an **increase in 28% organic traffic**.
- Collaborated with the development team to implement PhishGrid's Attack templates features using JavaScript.

PROJECTS

DATALENS | Live | GitHub

- Implemented a full-stack solution with **Next.js** and **Flask** that automated the preprocessing of datasets, leading to a **50% reduction in manual entry errors** and improving data integrity for subsequent analysis.
- Engineered AutoPreprocessor tool for **automated ETL** (Extract, Transform, Load) operations on dataset, incorporating data cleaning and normalization functionalities.
- Developed BirdEye tool to generate **real-time statistical visualizations** and comprehensive reports from uploaded dataset.

CHRONOS | Live | GitHub

- Designed a **version control system in JavaScript**, incorporating essential features such as init, add, commit, and log, enhancing collaboration and code integrity across projects.
- Implemented content-addressable storage with **SHA-1 hashing** and commit tracking using HEAD file and parent references, enabling efficient object management, history traversal, and diff analysis.
- Created comprehensive documentation using Next.js, facilitating user understanding and adoption of Chronos' version control functionalities.

RUBIK | Live | GitHub

- Architected a comprehensive **frontend security toolkit**, leveraging **Next.js, ShadCN, and TailwindCSS** for the UI, with a **Flask** backend.
- Engineered an AutoTakedown for efficient content moderation, incorporating automated processing algorithms to streamline takedown workflows.
- Created a Domain Tracer tool to gather and display comprehensive information about any given domain, facilitating quick and thorough domain investigations.