Penumajji Rohith Sai

✉ rohithsai352@gmail.com — 📞 +91-6304608194 — ⓞ GitHub — in LinkedIn — ⊕ Portfolio

EDUCATION

B.Tech in Computer Science and Engineering   2021 - 2025
National Institute of Technology, Surat
– Current CGPA: 7.89

Higher Secondary (BIEAP Board)   2019 - 2021
– Percentage: 98.1%

Secondary (SSC Board)   2018 - 2019
– CGPA: 10.0

PROFESSIONAL EXPERIENCE

Barclays   May 2024 - July 2024
Software Developer Engineer - Intern

– Created **Static Data UI** with the technologies **Spring boot, Java, Angular and H2- Database** .
– Designed and optimized H2 database schema, improving query performance and ensuring efficient data handling in a resource-constrained environment.
– Developed and optimized RESTful APIs in Spring Boot for querying H2 database, ensuring efficient data retrieval and seamless integration with various functionalities.
– Improved user experience by efficiently managing processes, ensuring ease of use, and delivering optimal user satisfaction.

PROJECTS

Personal Blog ⎘   *Oct 2024 - Nov 2024*

– Developed a full-stack blog application utilizing the **MERN stack**, integrating robust user authentication and interactive dashboards that improved content management efficiency while enhancing overall user experience.
– It allows administrators to create, edit, and manage posts with dynamic rendering and seamless data handling.

Expense Manager ⎘   *Mar 2023 - May 2023*

– Developed a dynamic Database Management System for efficient expense tracking using MySQL, PHP, HTML, CSS, and JavaScript, enabling users to monitor and manage their expenses in real-time.
– Integrated secure authentication and data validation methods, ensuring the protection and accuracy of financial data.

A1-Bakery Website ⎘   *Jan 2023 - Finished in 10 Days*

– Contributed to the development of a frontend website as part of the Google Winter of Code (GWOC), collaborating with a team to deliver a fully functional project.
– Successfully implemented the baker's assignment, ensuring comprehensive sorting of data based on multiple criteria, such as cost, flavor, and other relevant factors, to meet project specifications and optimize user experience.

TECHNICAL SKILLS

</> **Programming Languages:** Python, C/C++ STL, Java, SQL ,NOSQL ,MYSQL , JavaScript, HTML ,CSS
⚙ **Frameworks/Tools:** REST Framework for API Design ,Spring Boot ,PHP , ReactJS , MongoDB , Git , NodeJS
⚲ **Currently Learning:** TensorFlow

KEY COURSES TAKEN

Data Structures and Algorithms, Database Management System, Machine Learning, Artificial Intelligence, Computer Networks, Computer Architecture, Operating Systems, Data Science, Social Network Analysis.

POSITIONS OF RESPONSIBILITY

– **Executive**, **Association for Computing Machinery Club, NIT Surat**(ACM), NIT Surat: Contributed to innovative projects and collaborative development, enhancing technical, leadership and decision making skills.
– **Social Media Manager**, NEXUS Club, NIT Surat: NEXUS is a departmental club of Computer Science - NIT SURAT

ACHIEVEMENTS

– **SDE Intern at Barclays:** Shortlisted among the top 10 candidates out of 100+ participants and received Internship.
– **JEE Mains :** Achieved **99.5PR** with a National Rank 5373 in the Common Ranking List.
– **Code Rush:** Secured Top 50 in CodeRush Coding Challenge hosted by NIT SURAT.