

J Naveen Raaj

Portfolio | jnaveenraaj2003@gmail.com | 9321863306

EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

B.TECH IN CSE WITH IOT
2020 - 2024 | Chennai, TN
CGPA: 9.16 / 10.00

LINKS

Leetcode
Code360
Github
LinkedIn

COURSEWORK

CORE CONCEPTS

Data Structures and Algorithms
Operating Systems
DBMS
Object Oriented Programming

TECHNICAL SKILLS

PROGRAMMING

C/C++ • Python • HTML/CSS
JavaScript • TypeScript

WEB TECHNOLOGIES

ReactJS • ExpressJS • MongoDB
Redux • NodeJS • FastAPI
RestAPI

DATABASES & CLOUD

MySQL • MongoDB • Azure

DEVELOPER TOOLS & OTHERS

Git • Github • SonarQube
Docker • CI/CD

CERTIFICATIONS

Data Structures and Algorithms
DBMS

EXPERIENCE

TIGER ANALYTICS | ENGINEER

Jan 2024 – Present

- Implemented React.js-based **tracking system** with comprehensive test coverage, achieving **zero post-deployment bugs**.
- Built a **scalable task tracker** with React using test-driven development practices, **optimized API** interactions to significantly reduce latency.
- Containerized** codebases with **Docker** and integrated **CI/CD** pipelines for **automated testing**, reducing deployment issues by **25%**.
- Enhanced **GenAI** application through self-initiated UI improvements and React.js implementation, added **real-time** LLM response **streaming**, increasing user interaction by **10-15%**.

PROJECTS

FILE COMPRESSOR

Feb 2025 – Mar 2025

- Developed a web-based **file compression application** utilizing the **Huffman Coding Algorithm** to efficiently reduce file sizes.
- Built an intuitive user interface with **React** that allows users to **upload**, **compress**, and **download** files seamlessly, enabling **lossless data compression** with an average **compression ratio of 40%**.
- Tech Stack:** React.js, (Huffman Coding Algorithm).

TASK HUB

June 2024 – Aug 2024

- Developed a **task management** application with distinct admin and user functionalities, **streamlining** task assignment and tracking.
- Architected a scalable backend using Node.js, Express.js, and MongoDB, **optimizing API design** and achieving a **40% reduction** in server response time.
- Tackled **complex authentication** challenges by implementing secure **JWT** and **OAuth** solutions, persistently resolving integration issues to ensure a seamless user experience.
- Proactively researched** and implemented emerging React patterns and best practices, independently learning **advanced state management** techniques to improve application performance and maintainability.

PROVISION APP

May 2024 - July 2024

- Developed a bi-weekly user feedback monitoring system for project assignments, with **role-based access** for admins and users.
- Engineered a user-friendly **React.js** frontend, incorporating **OAuth** for **secure authentication**.
- Identified and resolved critical performance bottlenecks by taking initiative to **optimize data** flow and reduce retrieval time by **30%**, enhancing overall application responsiveness.
- Collaborated with cross-functional teams to enhance **feedback mechanisms**, resulting in a **20% increase** in feedback response rates.