SANJAY KUMAR R

✉ r.m.sanjai95@gmail.com 📞 9597134654 📍 Dharmapuri ⌥ github.com/stackDeveloper95

🔗 https://portfolio-git-main-sanjai-kumars-projects-0ed001d6.vercel.app ⚔ https://leetcode.com/u/sanjai_kumar_r

⍓ https://www.geeksforgeeks.org/user/rmsanjhwpz/

Profile

Results-driven MERN Stack Developer with hands-on experience building full-stack applications, real-time chat systems, and AI-powered tools. Skilled in JavaScript, Node.js, React, and MongoDB with a strong understanding of REST APIs, WebSockets, and cloud deployment. Built intelligent solutions like an AI-driven student portal, mental wellness chatbot using LoRA, and a secure social media platform. Experienced with AWS, Nginx, and scalable backend systems. Passionate about crafting clean, efficient code and solving real-world problems through technology.

Education

Coimbatore Institute Of Technology   2022 – 2026 | Coimbatore, India
B.E. Mechanical Engineering - cgpa 7.79*

Government Boys Higher Secondary School   2019 – 2021 | Marandhalli, India
Higher secondary - 85%

Skills

Languages:
Java, Python, JavaScript, SQL, HTML, CSS

Frameworks & Libraries:
React.js, React Native, Express.js, Flask (Intermediate), Bootstrap

Databases
MongoDB,MYSql

Tools / IDEs / Version Control:
VS Code, Postman, Git, GitHub

Professional Experience

TIA IT, Internship   03/2024 – 05/2024
Completed internship at **TIA IT**, a startup, contributing to backend development using **Node.js**, **Express**, and **MongoDB**, with **AWS S3** integration and authentication systems.Optimized frontend workflows by minimizing API calls, enhancing data handling efficiency, and gained hands-on experience with **web server configuration using Nginx**.

Projects

AI-powered PROJECTHUB

- Developed a **student project portal** to upload and explore senior projects with an **AI-powered RAG-based chat** for interactive queries.
- Built **intelligent text extraction APIs** in Node.js for analyzing project reports.
- Integrated **Convex** for backend and file storage, and designed a modern UI with **React + Bootstrap.**

Campus Connect+

- Built a **real-time inter-college communication platform** with **group and one-to-one chats** using **WebSockets (Socket.IO** 🔗 **).**
- Designed **user profiles** with Firebase integration for uploading **certificates, resumes, and coding links** (GitHub, LeetCode, etc.).
- Developed with **React, Bootstrap, Node.js, MongoDB**, and implemented **end-to-end encryption (in progress)** for secure messaging.

Lora Med AI

- Built a **junior therapist chatbot** fine-tuned with **LoRA + PEFT** on thousands of emotional response samples for empathetic conversations.
- Trained on the **DeepSeek R1 model** to generate **mental wellness support dialogues** with improved contextual understanding and empathy.

Aluminium AI

- Developed a **mobile app** to predict aluminium strength based on alloy composition using **MultiOutputRegressor (RandomForestRegressor)**.
- Built and deployed a **Flask API on Render** for model predictions and created a structured **React Native frontend** with a finalized APK for deployment.

Certificates

Web Development	Python	Machine Learning	Generative AI
Udemy	Coursera	Guvi	Guvi

Languages

Tamil	English	Telugu