

K. Sriram Reddy

CSE - Data Science
CMR Technical Campus
Hyderabad

+91 6303471489
k.sriramreddy9@gmail.com
LinkedIn : sriramreddy
Github : ksriramreddy

EDUCATION

- 2022 - 2025 **CMR Technical Campus**
CSE-Data Science, Hyderabad
Awaiting, *Grade 8.2*
- 2018 - 2022 **Government Institute of Electronics**
Computer network, Hyderabad
Grade 8.3

PROFESSIONAL SUMMARY

Hi, I'm Sriram Reddy, Highly motivated and results-driven Full-Stack Web Developer with hands-on experience in building scalable web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js). Strong knowledge of frontend frameworks (React.js, Chakra UI, Bootstrap) and backend technologies (Node.js, Express.js, Firebase, MongoDB, MySQL). Proficient in building RESTful APIs, implementing JWT authentication, managing state with Redux Toolkit, and real-time communication using Socket.IO. Experienced in version control using Git, deployment using Render, Vercel, and integrating third-party APIs like Gemini AI, Cloudinary.

WORK EXPERIENCE

- **FULLSTACK DEVELOPER INTERN**

DataSpeaks – [Remote]

Oct 2024 – Feb 2025

Hi, I'm Sriram Reddy, a highly motivated Full-Stack Developer and AI/ML enthusiast with hands-on experience building real-time and scalable web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js). Proficient in developing responsive user interfaces (React.js, Tailwind CSS, Chakra UI), secure backend APIs (Node.js, Express.js, Firebase), and real-time communication using Socket.IO. I have experience working with LLMs, RAG pipelines, OpenAI APIs, FAISS vector databases, and deploying production-ready apps on Render and Vercel. Passionate about integrating AI into full-stack apps to solve real-world problems through technology.

SKILLS

- **Machine Learning:** Python, Scikit Learn, Pytorch, VectorDB, LLM, LangChain, FAISS, HuggingFace, RAG - Retrieval-Augmented Generation.
- **Programming Languages:** JavaScript (ES6+), TypeScript, Python, C++, SQL, Java
- **Frontend Technologies:** HTML5, CSS3, SCSS, JavaScript, ReactJS, Redux Toolkit, Chakra UI, Bootstrap, Tailwind CSS, Material UI, Responsive Design, Mobile-First Development, React Router, React Hooks, Figma, UI/UX Design
- **Backend Technologies:** MySQL, Django, FastAPI, AWS S3, OPENAI API, PostgreSQL, Node.js, Express.js, RESTful API, GraphQL, MongoDB, Firebase, Appwrite, MongoDB Atlas, JWT Authentication, Socket.IO, WebSockets.
- **Tools and Platforms** Git, GitHub, Postman, Docker, CI/CD, Netlify, Vercel, Render, AWS S3, MongoDB Compass, Visual Studio Code
- **Soft Skills:** Communication, Team Collaboration, Problem-Solving, Leadership, Time Management, Project Ownership, Adaptability.

PROJECTS

- **Personal Voice-Based RAG Assistant**

Developed a full-stack AI-powered voice assistant that enables users to ask questions via speech and receive spoken answers generated using OpenAI's GPT-3.5 and vector similarity search with FAISS. The system processes audio input, transcribes it using Whisper/OpenAI APIs, retrieves relevant context from user-ingested documents, and responds with synthesized speech using gTTS. Built with FastAPI, ReactJS, OpenAI, and FAISS, the project demonstrates practical implementation of RAG pipelines, LLM integration, and voice interaction, offering a seamless end-to-end conversational experience.

Skills: Python, FASTAPI, LLM, LangChain, FAISS, VectorDB Hugging Face, ReactJs
Code Demo

- **LLM-Powered Document QA Assistant using Hugging Face and FAISS**

Built an LLM-powered PDF Document Question Answering Assistant using FastAPI, Hugging Face Transformers, and FAISS vector database. The system allows users to upload PDF or text files, processes them into semantic embeddings, and answers natural language queries by retrieving the most relevant chunks. Used sentence-transformer models for embedding generation and FAISS/ChromaDB for similarity search. Also created a minimal ReactJS frontend to enable file upload and interactive QA without authentication.

Skills: Python, Django, FASTAPI, LLM, LangChain, FAISS, VectorDB Hugging Face, ReactJs
Code

- **MERN Chat Application with AI Assistant (ECHO-AI)**

Built a full-stack real-time chat application using the MERN stack (MongoDB, Express.js, React.js, Node.js) featuring secure user authentication with JWT, real-time messaging via Socket.IO, and image sharing through Cloudinary. Integrated Google's Gemini API to develop ECHO-AI, an AI assistant that allows users to have dynamic, conversational interactions within the chat—similar to Meta AI in WhatsApp. The app showcases RESTful API design, real-time communication, third-party API integration, and responsive front-end development with ReactJs.

Skills: ReactJS, Node.js, MongoDB, Express, REST API, JWT, Socket.IO, Google Gemini API, Cloudinary, Responsive UI

Code Demo

- **FULLSTACK INSTAGRAM CLONE**

Engineered a feature-rich Instagram clone, focusing on both frontend and backend development. On the frontend, designed and implemented a responsive, user-friendly interface using ReactJs and Chakra UI, ensuring a seamless experience across all devices. On the backend, utilized Firebase Authentication for secure user authentication and Firebase Realtime Database for dynamic post interactions and real-time data synchronization. Developed features such as like, comment, follow/unfollow, and architected the system for scalability to efficiently handle increasing user interactions and data.

Skills: ReactJS, REST API, TailwindCSS, React Hooks, React Redux, firebase, Responsive UI

Code Demo

ACHIEVEMENTS

- Achieved 5-star rating in Problem Solving on HackerRank, demonstrating proficiency in algorithms, data structures, and complex problem-solving skills..
- Attained 15th rank in college and 12091st globally in the Smart Interviews training program, highlighting strong problem-solving abilities and consistent performance.
- Ranked 1st in a college-level coding contest hosted by HackerEarth, reflecting advanced programming skills and competitive expertise.