

K DINESH REDDY

SDE Fresher • Backend Developer (FastAPI) • AI/ML Engineering

Mail: dineshreddykondur@gmail.com | Phone: +91 8008688776 | Location: Hindupur, India

[LinkedIn](#) | [GitHub: Dineshreddy](#) | [LeetCode](#)

SUMMARY

Computer Science undergraduate with strong foundations in **Java (OOP), Python, SQL, Data Structures & Algorithms, DBMS, OS, and Computer Networks**. Experienced in building **AI-powered full-stack systems** using **FastAPI, React, FAISS, Hugging Face Sentence-Transformers, and RAG with LLMs (Gemini API)**. Skilled in **REST API design, async pipelines, vector search, secure backend architecture, and performance optimisation**.

EDUCATION

- **Bachelor of Technology, Computer Science and Engineering** Sep 2022 – Present (Jun 2026)
 - Vellore Institute of Technology – Andhra Pradesh
 - **CGPA: 7.49/10**
- **Higher Secondary Education (MPC)** Jun 2020 – Apr 2022
 - LRG Naidu Junior College, Hindupur
 - **Percentage: 87%**
- **Secondary School Certificate (SSC)** Jun 2019 – Apr 2020
 - Deepthi School, Hindupur
 - **Percentage: 85%**

PROJECTS

- **Smart AI Customer Support Chatbot** — [GitHub](#)
FastAPI, React, FAISS, RAG, Sentence-Transformers (Hugging Face), Gemini LLM API
 - Built a production-ready AI chatbot using **Generative AI + RAG** to deliver context-aware responses for customer support queries.
 - Implemented **FAISS vector search** with dense embeddings for high-speed semantic document retrieval.
 - Added sentiment analysis to automatically escalate negative or urgent user queries to human operators.
 - Developed a responsive React UI integrated with a FastAPI backend and structured REST APIs.
 - Improved end-to-end latency by **~30%** using async pipelines and FAISS optimisation.
- **Employee and Task Management Platform (Full Stack)** — [GitHub](#)
FastAPI, React, PostgreSQL, JWT Auth, Role-Based Access Control
 - Built a full-stack employee/task management system with JWT-secured **Admin & Employee** roles.
 - Implemented PostgreSQL-backed CRUD operations and optimised SQL queries.
 - Developed protected React dashboards with dynamic routing and responsive components.
 - Designed structured, maintainable FastAPI REST endpoints with async support.

SKILLS

- **Programming Languages:** Java (OOP), Python, SQL
- **Core CS Concepts:** DSA, OOP, DBMS, OS, CN, Time Complexity
- **Backend:** FastAPI, REST APIs, Async APIs, JWT Auth
- **Frontend:** React, HTML, CSS
- **Databases:** PostgreSQL, SQLite
- **AI/ML:** RAG, LLMs (Gemini API), FAISS, Sentence-Transformers
- **Tools:** Git, GitHub, Postman, VS Code

CERTIFICATIONS

- **IBM — GenAI Using Watsonx (2025)** — [Certificate](#)
 - Learned foundation models, prompt engineering, and end-to-end GenAI development workflows using Watsonx tools.
- **Oracle — OCI 2025 Gen AI Professional** — [Certificate](#)
 - Validated expertise in building, deploying, and securing generative AI workloads on OCI using responsible AI practices.

ACHIEVEMENTS & ACTIVITIES

- Built **2 full-stack applications** (including an AI chatbot) for practical learning and demonstrations.
- Active on **LeetCode & CodeChef**; regularly practice DSA and problem-solving in Java/Python.
- Strong in **debugging**, backend logic design, and API performance optimization.