

# J Ganesh Kumar Reddy

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## SUMMARY

Motivated B.Tech student specializing in Data Science and AI with a minor in Generative AI. AI Architect and problem solver with strong foundations in building AI-powered applications with hands-on experience in LLM, machine learning, and full-stack development. Adaptable, research-oriented, and focused on creating practical, production-ready solutions.

## EDUCATION

2023 – 2027	B.Tech Major in Data Science and AI, IIIT Dharwad	CGPA: 8.35
2024 – 2026	B.Tech Minor in Generative AI	CGPA: 9.33
2021 – 2023	Senior Secondary, Andhra Pradesh State Board of Intermediate Education	94.9%

## PROJECTS

**Personal Finance Assistant** 🌐 Aug 2025 – Nov 2025  
Technologies: Python, LangChain, LangGraph, React.js, Node.js, Express.js, MongoDB  
Developed financial AI agents using LangChain and LangGraph to provide personalized financial recommendations and automated planning. Built React.js frontend components for seamless user interaction with AI agents, implementing responsive dashboard.

**onWings - Interactive Flight Booking System** 🌐 Oct 2025 – Nov 2025  
Technologies: React.js, JavaScript, HTML, CSS  
Developed frontend features for multi-step flight booking with React.js, implementing dynamic form handling and state management. Optimized application performance, reducing page loading time by 40% through code splitting and lazy loading.

**Synthetic Data Generator** 🌐 Dec 2025 – Jan 2026  
**Technologies:** Python, AI Agents, FastAPI, React.js  
Designed and developed an offline synthetic data generation system using a locally hosted Mistral-7B LLM, eliminating dependency on external APIs and ensuring complete data privacy. Implemented an agent-based architecture where specialized AI agents collaboratively interpret user-defined schemas, enforce constraints, and generate high-quality synthetic tabular datasets.

**Medical Chat Application** 🌐 Mar 2025 – Apr 2025  
**Technologies:** React.js, Node.js, Express.js, MongoDB, WebSockets, JWT  
Integrated WebSockets to enable real-time message updates and connected a trained medical ML model via API to provide specialized, context-aware responses. Implemented a secure backend architecture with JWT-based authentication and a well-structured database schema to efficiently store and retrieve chat histories.

## SKILLS

Programming Languages	Python, C, C++, Java, JavaScript, TypeScript
AI/ML Frameworks	PyTorch, scikit-learn, Transformers, LangChain, LangGraph, TensorFlow
AI/ML Areas	Machine Learning, Deep Learning, LLM Fine-Tuning, Generative AI, AI Agents
Front-End Development	HTML, CSS, React.js
Backend Development	Node.js, Express.js, FastAPI, REST APIs
Databases	MongoDB, MySQL, PostgreSQL
Data Tools	Pandas, NumPy, Tableau
Platforms & Tools	GitHub, Jupyter, VS Code, Google Colab

## ACHIEVEMENTS

- **Coding Profiles:** [LeetCode](#) ( 272+ Problems Solved, 1510 Rating) | [CodeChef](#) (1250 Rating) | **500+ Problems Solved** across coding platforms
- **Hackathons:** Smart India Hackathon (SIH) Finalist (2025) | Adobe GenAI Hackathon | Amazon ML Challenge
- **Academic Excellence:** JEE Mains (Top 5% among 1M+ participants) | NTSE Stage 1 (Top 1%) | IAPT & Pre-RMO Olympiads Qualified | Class 12 State Board (Top 1%) | Multiple hackathons participated