BETHALA VINAY

AI Engineer | Backend Engineer
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SUMMARY

AI Engineer and Backend Engineer specializing in **production-ready AI systems** using **Python, FastAPI, PostgreSQL, and LLMs**. Experienced in building scalable APIs, integrating applied AI, and deploying real-world backend solutions.

TECHNICAL SKILLS

Languages: Python, Java (DSA), SQL
Backend: FastAPI, REST APIs, JWT Auth, PostgreSQL
AI/ML: NumPy, Pandas, Scikit-learn, Hugging Face, LLM APIs
Tools: Docker, Git/GitHub, AWS basics (EC2, S3)

PROJECTS

Mentorlog – Mentor & Student Management System
Python, FastAPI, PostgreSQL
- Built role-based backend for **mentor–student interactions and session logging**
- Implemented APIs for progress tracking and structured reporting

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EduEarn – Learning & Earning Platform
Python, FastAPI, PostgreSQL
- Developed backend APIs for **user management, learning modules, and progress tracking**
- Designed scalable database schema and clean service architecture

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ApplyZen – AI-Powered Job Application Assistant
Built a FastAPI-based backend that uses LLMs to match jobs with resumes, generate application insights, and track user decisions, with secure authentication and scalable PostgreSQL-backed architecture.

ACHIEVEMENTS

🥈 Second Prize – National Level Hackathon (Conducted by Ematix)
Participated in NxtWave Buildathon

EDUCATION

B.Tech – Computer Science Engineering (AI & ML)
St. Peter's Engineering College, Hyderabad
CGPA: 9.7