

RAKESH H R

AI ENGINEER | WEB DEVELOPER

+91 6363514930 rakeshrdev@gmail.com Bengaluru, Karnataka hrrakesh23

PROFESSIONAL SUMMARY

AI Engineer with hands-on experience building Generative AI applications, REST APIs, and backend systems using Python and modern AI frameworks. Experienced in integrating Large Language Models (LLMs) into real-world products, developing scalable web backends with Django and FastAPI, containerizing applications with Docker, and implementing AI-powered features such as RAG-based chat systems and memory-enabled assistants. Passionate about building practical AI applications that solve real-world problems.

TECHNICAL SKILLS

- Languages:** Python, JavaScript
- Generative AI & Tools:** OpenAI SDK, LangChain, RAG
- Backend Frameworks:** Django, FastAPI, REST APIs
- Databases:** PostgreSQL, SQLite
- DevOps & Tools:** Docker, Git, GitHub

PROJECTS

AI App – Generative AI Platform

- Built a multi-mode AI chat system supporting standard LLM conversations.
- Developed document-based (RAG) chat that allows users to ask questions and retrieve answers from uploaded documents.
- Implemented context memory to support multi-turn conversations and maintain chat continuity.
- Integrated live web search to fetch real-time information and combine it with AI-generated responses.
- Developed using Django, LLM integrations, and SQLite for backend logic and data management.

CERTIFICATIONS

High-Performance APIs with Django REST Framework

Issued by Meta (Coursera)

Built secure REST APIs with authentication, caching, rate limiting, and performance optimization.

Machine Learning with Python (V2)

Issued by IBM

Implemented ML models using scikit-learn and SciPy for supervised learning tasks and model evaluation.

EDUCATION

2020 -2024 RAJARAJESWARI COLLEGE OF ENGINEERING

Bachelor of Engineering in Artificial Intelligence and Machine Learning (CGPA: 8.23)