Rajkumar V

AI Engineer

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• AI Engineer (Fresher) and prefinal-year B.Tech student specializing in Artificial Intelligence and Data Science.
• Strong hands-on experience in Generative AI and Agentic AI, building LLM-driven and multi-agent systems.
• Proficient in Python, SQL, TensorFlow, LangChain, Hugging Face, vector databases, and end-to-end AI deployment.
• Freelance Generative AI Engineer, startup founder, AI instructor, and hackathon winner with real-world project exposure.
• Completed a 120+ AI project streak (2025), demonstrating consistency, experimentation, and problem-solving skills

Work Experience

Freelance GenAI Engineer
Nov 2024 - Present
self-employed | India

Built GenAI-powered assistants and computer vision based system of an AI-based attendance system for Fiterz using LangChain, , Firebase_admin,Opencv and FastAPI. Delivered real-world freelance solutions with a strong focus on Generative AI deployment, integration, and problem-solving.

AI Instructor
Jun 2024 - Present
Founder | Karur, Tamil Nadu

Tech Academy (Online AI Learning Platform)
Founded an online AI education startup and deliver hands-on AI, GenAI, and Agentic AI courses.

Projects

Real-Time Fake News Detection using Agentic AI:
Feb 2025 - Feb 2025

Built an agentic AI system using Langchain deployed
on AWS via Github CI/CD pipelines

End-to-End Patient Navigation System (Multi-Agent Healthcare AI):
Dec 2025 - Jan 2026

Developed a patient navigation
system with prescription and appointment agents deployed on AWS.

ProjectPilot – Multi-Agent Orchestration System:
Aug 2025 - Aug 2025

Orchestrated a 5-agent system (Intake to Review) using
LangGraph and CrewAI for complex task automation

Object Detection using YOLOv11:
Sep 2024 - Dec 2024

Trained a YOLOv11 model using Ultralytics on Roboflow datasets for
accurate real-time object detection.

Core Skills

Programming: python, SQL

AI & ML: Machine Learning, Generative AI, Deep Learning, Agentic AI, NLP, Computer Vision, Prompt Engineering, RAG

Frameworks & Libraries: Tensorflow, Scikit-learn, OpenCV, Hugging Face, Langgraph, CrewAI, Langchain, LLAMA, AGNO, Google adk, Autogen

LLMs & Models: Open-source LLMs, LLaMA models, Groq-based models, Embedding models.

Databases: MongoDB, MySQL, Vector Databases

Deployment & Tools: FastAPI, Gradio, Flask, Git, Streamlit, Docker, AWS, CI/CD pipelines

Education

Chettinad College of Engineering and Technology
Sep 2023 - May 2027

B.Tech Artificial Intelligence and Data Science
GPA: 8.132

Sri Meenakshi Matric Hr Sec School
Jun 2022 - Apr 2023

HSC (Higher Secondary Certificate) Computer Science with Mathematics
GPA: 81.2

Sri Meenakshi Matric Hr Sec School
Jun 2020 - Mar 2021

SSLC (Secondary School Leaving Certificate) General Curriculum
GPA: 100

Awards

Winner – AI/ML 24hr Hackathon (Prayukthi 2025)
Feb 2025

Bannari Amman Institute of Technology

Secured 1st place for developing a real-time fake news detection system using an Agentic AI framework powered by AGNO and LangChain. Integrated LLM-powered agents to assess credibility of news articles with high accuracy.

Certificates

Artificial Intelligence Internship (3 Months)
Dec 2023

pantech.ai

Complete Data Science Bootcamp
Dec 2025

Udemy(KRISHAI Technologies)

Generative AI with Hugging Face
Feb 2026

Udemy(KRISHAI Technologies)