

Aditya Raj

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Profile

Applied AI Engineer who builds and deploys **production-ready LLM-powered automation systems**. Strong in **Python, FastAPI, prompt engineering, and API integration**, with hands-on experience in **multi-LLM orchestration, voice-based agents, and recruitment automation**. Focused on creating **reliable AI systems** that reduce manual effort and scale in real-world environments.

Work Experience

AI Engineer / Python Developer | Admin Web World

09/2024 – Present

- Deliver end-to-end AI automation solutions for client-facing business workflows.
- Convert business requirements into **agent-based AI systems** with clear decision flows.
- Architect and maintain **multi-model LLM pipelines** for reasoning, validation, and execution.
- Integrate external AI services to support **real-time conversational workflows**.
- Implement guardrails, fallback handling, and validation logic for production stability.

Tech: Python, FastAPI, LLMs, OpenAI/Groq/Gemini, Hugging Face (model usage), MongoDB, REST APIs, Prompt Engineering, NLP, JSON, Git

AI & Data Science Intern | Coding Pro (Planto.AI)

06/2024 – 09/2024

- Built core components of an early-stage **AI copilot MVP** for developer workflow automation.
- Improved response relevance and task accuracy by **25–30%** through prompt optimization.
- Automated LLM output comparison and scoring pipelines.
- Reduced manual evaluation effort by **~40%**.
- Cut model testing turnaround time from days to hours.
- Supported UI integration using **Next.js**.

Tech: Python, Next.js, prompt engineering, LLM benchmarking, internal test suites, automated evaluation scripts, Vs Code

Certifications

- Master's Certification in Data Science (IBM & Simplilearn) 1 Year Program, 06/2023 - 05/2024
- PCAP: Certified Associate Python Programmer

Education

- B.A. (English), Purnea College, 2020-23

Languages

- English, Hindi, Maithili

Technical Skills

- **Languages:** Python, TypeScript, JavaScript, Scala, C
- **AI / ML:** LLMs, NLP, Prompt Engineering, Embeddings, Multi-LLM Orchestration, Hugging Face (model usage), TensorFlow, PyTorch
- **Frameworks:** FastAPI, REST API, DropWizard
- **ML/Visualization:** Pandas, Numpy, Plotly, Scikit-learn, Tableau
- **Databases:** MongoDB, SQL
- **Tools:** Git, GitHub, VS Code

Projects

Voice-Based AI Booking Agent

- Built a real-time voice-based AI agent for automated cab booking.
- Used speech-to-text and LLMs for intent detection and slot extraction.
- Reduced booking handling time by **30–35%**.
- Achieved **<5% human call-transfer rate** during live testing.
- Maintained **>90% booking success rate** across varied user inputs.

Tech: Python, FastAPI, LLMs, REST APIs, MongoDB

Autonomous Recruitment Agent System

- Developed an AI-driven system for resume matching and candidate screening.
- Used semantic embeddings and LLM reasoning for shortlisting decisions.
- Improved shortlisting relevance by **35–40%** over keyword-based filtering.
- Automated early-stage screening workflows.
- Reduced recruiter effort by **~50%** and screening time by **~45%**.
- Designed structured interview flows with consistent scoring logic

Tech: Python, LLMs, embeddings, MongoDB, REST APIs, TypeScript, JavaScript

Soft Skills

- Analytical Thinking, Communication, Adaptability, Teamwork, Curiosity