

Ayush Arya

AI Engineer | LLM Agents | AI Automation

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SUMMARY

AI Engineer with 1.5+ years of experience owning production AI systems end to end at a B2B growth agency, from scoping with the founders to architecture, LLM integration and deployment. Built and run 10+ internal platforms with Python, PostgreSQL, OpenAI and Claude, including an AI hiring platform that automated 78% of the HR function and a sales-intelligence platform with an autonomous lead-discovery agent.

EXPERIENCE

AI Engineer | Revv Growth

Remote | Feb 2025 – Present

- Promoted from intern to full-time within three months; work directly with the founders to turn the costliest manual workflows into AI systems, each tied to measurable time and cost savings.
- Designed, built, deployed and maintain 10+ internal production platforms (Python, Flask, PostgreSQL, OpenAI, Claude, n8n) on Linux with Docker, increasing team productivity by 40% and removing hours of manual work weekly.

AI Hiring Platform | Python, Flask, PostgreSQL, OpenAI, Slack API, Google Calendar and Drive APIs, WeasyPrint

- Built the company's end-to-end hiring system (hiring request, HR review, budget approval, job posting, AI shortlisting, interview rounds, offer letters), automating 78% of the HR function and cutting time-to-hire.
- Implemented LLM scoring of every applicant against the job requirements with a ranked top-20 shortlist and per-candidate reasoning; benchmarked 8 LLMs and cut AI cost by about 55% at the same ranking quality.
- Generated offer letters and contracts from 9 PDF templates, encrypted personal data at rest, and routed notifications by role to in-app, email or Slack with queued, retried, de-duplicated delivery.

AI Sales-Intelligence Platform | Python, Flask, PostgreSQL, APScheduler, Anthropic Claude, OpenAI, Apollo, Unipile

- Built the sales team's platform to discover, qualify (AI website audit, ICP fit, battle card), enrich and engage B2B prospects through a 4-step LinkedIn and email sequence with human approval of every draft.
- Shipped an autonomous lead-discovery agent scanning 10+ sources and identified anonymous inbound website visitors with AI intent summaries, giving sales a steady flow of ICP-fit leads.
- Guaranteed exactly-once sending with conditional database claims and a PostgreSQL advisory-lock scheduler; added SSRF protection, Google OAuth, role-based access, and a REST API and MCP server with revocable API keys.

Agency Operations Platform

- Built the agency's operations platform for clients, content, and writer, SEO, design and development teams, with a task workflow covering verification, approval and rework, plus workload and team-performance views.
- Added reports, a feedback inbox with analysis, Google Analytics and Search Console integrations, role-based dashboards and an audit log.

Software Engineer Intern | Aviara Labs

Remote | Dec 2024 – Feb 2025

- Built conversational AI (chatbots and voice assistants) on Voiceflow and integrated it with backend services through Flask and FastAPI APIs for client-facing applications.
- Designed webhook architectures and real-time data-processing pipelines that automated workflows and kept client systems in sync.

SKILLS

LLMs and GenAI: OpenAI (GPT-4o, GPT-4o-mini), Anthropic Claude, Google Gemini, Open-Source LLMs (Llama, Mistral via Ollama), Prompt Engineering, Context Engineering, Structured Outputs (JSON Schema), Function and Tool Calling, Streaming, Embeddings, Semantic Search

RAG and Vector Databases: Retrieval-Augmented Generation (RAG), Chunking and Re-ranking, pgvector, Pinecone, ChromaDB, FAISS, Hybrid Search

AI Agents and Frameworks: AI Agents, Multi-Agent Workflows, LangChain, LangGraph, LlamaIndex, Model Context Protocol (MCP), Human-in-the-Loop Approval, Conversational AI, Voice AI

LLMOps and Evaluation: LLM Evaluation and Benchmarking, Model Selection, Token and Cost Optimization, Guardrails, Hallucination Mitigation, Prompt Versioning, LLM Observability (LangSmith, Langfuse)

Languages: Python, SQL, JavaScript, HTML, CSS

Backend and Data: Flask, FastAPI, Pydantic, SQLAlchemy, Alembic, PostgreSQL, REST APIs, Webhooks, APScheduler, OAuth 2.0, Role-Based Access Control

DevOps and Cloud: Docker, Linux, Nginx, Traefik, Gunicorn, systemd, Git, GitHub, Google Cloud Platform

Automation and Integrations: n8n, Make.com, Zapier, Apify, Apollo, Unipile, DataForSEO, Serper, Slack API, Google Workspace APIs, Voiceflow, BeautifulSoup, WeasyPrint

EDUCATION

Bachelor of Technology, Computer Science (AI and ML), Graphic Era Hill University, Uttarakhand, India |

Sep 2021 – Jun 2025 | CGPA 8.5/10