Rugved Rajesh Chandekar

AI / ML Engineer | GenAI • RAG • Python • Backend | Open to Relocate

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PROFILE

AI/ML Engineer and 2026 B.E. IT graduate with hands-on experience building GenAI, RAG, agentic AI, and Python backend systems. Experienced in LLMs, prompt engineering, embeddings, vector DBs, FastAPI, LangChain, LangGraph, AWS, and Azure, with a track record of building AI applications including an LLM-based matching system indexing 15,000+ profiles and reducing LLM token usage by 99%.

SKILLS

Languages & Core CS: Python, SQL, PostgreSQL, MySQL, DSA, OOP

ML & Data: Scikit-learn, Keras, Pandas, NumPy

AI & GenAI: LLMs, RAG, Prompt Engineering, Embeddings, LangChain, LangGraph, GenAI, Vector Databases (Qdrant, OpenSearch)

Backend & Cloud: FastAPI, Flask, Pydantic, Asyncio, Docker, AWS (EC2, ECS, S3, Bedrock), Azure

PROFESSIONAL EXPERIENCE

Smartborn Software Consulting Pvt. Ltd.

Site Reliability Engineer (Machine Learning) 08/2026 – 09/2026

- **Automated** an onboarding workflow, reducing processing time from **~1 hour to 10–20 seconds**.
- **Automated ML model migration**, reducing processing time from **~1 hour per model to ~5 seconds for multiple models**.
- Built an **OT operations dashboard**, replacing manual tracking in notebooks and Excel spreadsheets.
- Supported a **production ML forecasting platform** and developed an internal **AI agent for incident automation**.

Intern (AI & Backend) 07/2026

- Built an **offline AI policy assistant** using **FastAPI, Qdrant, SQLite, SentenceTransformers, and Ollama**.
- Implemented **attribute-based access control (ABAC)** for role- and user-attribute-based policy access.
- Developed a **semantic intent router**, reducing structured query latency by **99.89% (73.7s to 79ms)**.
- Optimized document retrieval using **semantic search, caching, and prompt optimization**.

Associate Developer Intern, Idyllic Services Pvt. Ltd 01/2026 – 06/2026

- Developed **JD-to-candidate matching pipeline using GPT and Qdrant**, indexing **15,000+ profiles**.
- Reduced **LLM token usage by 99%** and **API response time by 10x** using **semantic caching and vector similarity search**.
- Developed an **AI-proctored interview platform** with real-time **speech-to-text, text-to-speech, and face detection**.
- Built **FastAPI REST APIs** for backend integration of **AI processing pipelines.**

TECHNICAL PROJECTS

ResuGenie - AI Resume Parser, Tech: Python, Flask, RAG, AWS 12/2025 – 12/2025

- AI resume platform with **RAG chat** and **cosine similarity JD fit scoring**.
- Semantic resume-job matching using **Qdrant**.
- **Amazon Nova on Bedrock** for document Q&A and deployed on **AWS ECS**.

AI-Powered Pneumonia Detection App, Tech: Python, Keras 08/2025 – 11/2025

- Trained **DenseNet121** on **5,000+ chest X-rays**, **achieving 97.18% accuracy and 99.75% ROC-AUC.**
- Implemented **channel & spatial attention** with **Monte Carlo Dropout** for **uncertainty-aware pneumonia detection**.
- Integrated **Grad-CAM** for **explainable AI**, contributing to an accepted IEEE conference paper.

Full-Stack Booking & Payment System, Tech: Python, MySQL 05/2025 – 07/2025

- Developed full-stack official website with an **end-to-end booking system.**
- Integrated **Razorpay gateway**, securely processing **100+ live transactions.**
- **Reduced user waiting time by 95%** while **serving 5,000+ visitors.**

TECHNICAL ACHIEVEMENTS

Research paper on uncertainty-aware pneumonia detection, Published at IEEE AIC 2026. ***View Paper on IEEE Xplore***

CCAT 2026 AIR 308 demonstrating strong problem-solving and computer science fundamentals.

Completed 6 Anthropic certifications in **Claude API, MCP, and advanced AI subagent architectures.**

Published integration-smoke-test package on **PyPI for API health checks** and integration testing workflows.

EDUCATION

B.E. (IT), Govt. Engineering College, Chh. Sambhajinagar - CGPA: 7.38 2026

XII (HSC), Mallick Junior College, Chh. Sambhajinagar - 87.17% 2022

X (ICSE), Ryan International School, Chh. Sambhajinagar - 84.20% 2020