

Ravin Kumar Jangir

AI Engineer | ravinjangir.rj1100@gmail.com | +91 8503008796 | LinkedIn | Github | Portfolio

Skills

AI/ML: LLMs, RAG, AI Agents, LLM Fine-Tuning (PEFT), MCP Server

Frameworks: LangChain, LangGraph, FastMCP, FastAPI, n8n, Spring Boot, Spring Security

Databases: RDBMS (PostgreSQL, MySQL), NoSQL (MongoDB, Redis), Vector DBs (Chroma, Pinecone, pgvector)

Cloud/DevOps: AWS, Vercel, Docker, CI/CD

Languages: Python, Java, JavaScript

Projects

CounselPro-AI | AI-Powered Counselor Excellence System |

- Built an **AI-powered system** to monitor counseling sessions in real time, evaluating visual standards and conversation quality, and delivering **instant performance reports** for administrators.
- Designed backend architecture with **optimized database schemas** and scalable APIs, improving query performance by **40%**.
- Offloaded CPU-bound video processing to **Celery workers** using **Redis** as message broker and task queue, improving throughput and reducing latency by **60%**.
- Collaborated on NLP pipeline by supporting **Deepgram AI** transcription and LangChain-based conversation analysis, enabling **95% accurate** automated assessments and **80% reduction** in manual review time.

Duck Teacher | AI-Powered Teaching Performance Analyzer |

- Developed an AI-powered practice and review tool where learners can explain concepts using **audio** and **whiteboard sketches**, then receive instant AI feedback from multiple personas, a **Student (10–15 yrs)** for clarity, a **Peer** for depth, and an **Interviewer** for evaluation, helping users identify **gaps in explanation up to 10x faster** compared to self-review.
- Automated end-to-end workflows with **n8n**, integrating uploads, transcription, and feedback generation, reducing manual effort by **70%**.

Experience

Software Engineer, Quicktouch Technologies Ltd.

Jan 2024 – Jul 2025

QuickCampus (EIMS-ERP Solution) – ERP platform serving **3,500+ schools** and **100,000+ active users**

- Enhanced core modules including **Visitor Management** and **Payroll**, driving smoother daily school operations.
- Built robust **Excel import workflows**, boosting data accuracy and reducing manual entry workload by **70%**.

QuickHRMS (HRMS-ERP Solution) – End-to-end HRMS used by **1,000+ employees**

- Architected **optimized database schemas**, achieving up to **40% faster query execution**.
- Delivered key features such as **employee reporting hierarchy** and **attendance tracking**, simplifying HR workflows.
- Integrated external APIs including **WhatsApp messaging**, enabling both automated and manual notifications.

Education

MisogiAI By Masai, Bengaluru, AI Engineering Bootcamp

Jun 2025 – Present

- **Coursework:** Gen-AI, Machine Learning, FastAPI, RAG, AI Agents, MCP Server, Prompt Engineering.

Poornima University, Jaipur, Bachelor of Technology in Mechanical Engineering

Jun 2016 – Jul 2020