

Ram Rajurkar

AI Developer — Full-Stack Engineer

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Professional Summary

Results-driven B.Tech student specializing in AI/ML with hands-on experience developing full-stack AI agents and automation workflows. Proven in architecting scalable systems, integrating complex APIs, and leading projects end-to-end. Demonstrates a strong entrepreneurial mindset through the founding of UdyamFlow, a project focused on solving real-world business problems.

Education

Vishwakarma Institute of Technology, Pune

(Expected May 2028)

Pursuing B.Tech in Computer Science & Engineering (Internet of Things)

Government Polytechnic Nagpur

(2022 – 2025)

Diploma in Artificial Intelligence and Machine Learning – 92.90%

Projects

Contextual Memory AI Assistant (n8n, LLM, MongoDB, React)

- Developed a modular AI assistant in **n8n** using LLM APIs, capable of multi-turn conversation and contextual recall.
- Engineered a persistent memory solution using **MongoDB** to maintain conversational context and deliver personalized responses.
- Implemented secure authentication and role-based access control to provide tailored, permission-aware interactions.
- Built a responsive frontend in **React/Next.js** for secure, real-time user engagement with the AI agent.

AI-Powered Viva Assessment Platform (Gemini API, React, Node.js)

- Created an AI-driven web application to automate academic viva exams, featuring intelligent proctoring and evaluation.
- Leveraged the **Gemini API** for dynamic question generation and semantic answer analysis, ensuring comprehensive and fair student assessments.

CRM — Customer Relationship Management System (Node.js, React, Razorpay)

- Built a secure, multi-tenant CRM with lead tracking and dynamic payroll processing using the MERN stack.
- Developed RESTful APIs in **Node.js** with JWT authentication and role-based access for robust security.
- Integrated **Razorpay** for payment processing and configured webhooks for real-time transaction tracking.

Experience

Software Development Intern — Perpetual Solutions Pvt. Ltd.

(Jan 2025 – Apr 2025)

Nagpur, Maharashtra — Remote

- Contributed to two full-stack SaaS platforms by implementing robust business logic and automation features.
- Architected a scalable, multi-tenant payroll module, **automating calculations for 10+ clients and reducing manual processing time by over 90%.**
- Implemented a production-grade SMTP email system with OAuth, securely handling transactional emails across all tenants.
- Designed and deployed dynamic reporting dashboards, **providing key insights to stakeholders and improving data visibility.**

Skills

Technical Skills:

- **Languages:** Python, JavaScript, Java, C++
- **AI/ML:** TensorFlow, Scikit-learn, Keras, NLTK, Pandas
- **LLMs & Agents:** Prompt Engineering, RAG, LangChain, Gemini API, GPT-4, Vector Databases, n8n
- **Web Development:** React.js, Node.js, Express.js, Next.js, Flask, REST APIs
- **Databases:** MongoDB, MySQL, SQL
- **Cloud & DevOps:** Google Cloud Platform (GCP), Git, Postman, Webhooks

Soft Skills: Entrepreneurial Mindset, End-to-End Problem Solving, Rapid Prototyping, Client Communication, Presentation, Team Collaboration & Leadership.

Achievements

- **Entrepreneurial Project (UdyamFlow):** Initiated a project to design and prototype AI agent workflows, culminating in a professional online presence to showcase capabilities (udyamflow.com).
- **Technical Paper Presenter:** Presented research on "AI-based Viva Assessments" at a state-level symposium.
- **Leadership Initiative:** Served as Senior Executive for the IT AIML Dept. Committee and submitted an AI help-bot prototype in the Bharatiya Antariksh Hackathon 2025.

Languages

English (Fluent) · Hindi (Native) · Marathi (Native)