

Pravin Paithankar

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SUMMARY

I am an AI Engineer focused on turning modern technology into scalable real world products. I specialize in bridging the gap between cloud infrastructure and AI development. Whether I am building Autonomous agents, Integrations, or RAG systems, my goal is to create smart, reliable applications that solve complex problems without friction.

EDUCATION

G.H. Rasoni College of Engineering and Management

B.Tech in Computer Science (Artificial Intelligence and Machine Learning)

Pune, MH

Graduated: June 2026

EXPERIENCE

AI Software Developer

Somvanshi Global Technologies

July 2026 – Present

Pune, MH

- Architect and scale fullstack AI solutions, bridging cloud native infrastructure with production grade AI applications.

Junior AI Software Developer

Somvanshi Technologies

Dec. 2025 – July 2026

Pune, MH

- Developed AI based solutions across Healthcare, Finance, and EdTech sectors, deploying end-to-end models.
- Optimized AI workloads and cut median response latency by implementing streaming mechanisms and warm paths.
- Managed backend operations for the Grubwala platform, leading the system database migration to Utho Cloud infrastructure to ensure stability utilizing Node.js and MySQL.
- Led R&D for healthcare automation, formulating system architectures for varied hospital requirements.

Technology Intern

Somvanshi Technologies

June 2025 – Dec. 2025

Pune, MH

- Contributed to real world AI driven applications incorporating Computer Vision, Large Language Models (LLMs), and Transformer architectures.
- Developed and maintained Intel Realty, a real estate platform built with React.js and Node.js to streamline broker customer communication.
- Deployed web applications on AWS using PM2 for process management, ensuring reliable server side monitoring and performance.

PROJECTS

Enterprise Agentic Chatbot | Azure Bot Service, Node.js, MS Teams, AWS

- Engineered a multi service AI agent integrated into MS Teams to handle leaves, payslips, and ServiceNow tickets using plain language.
- Implemented full read/write/update capabilities, connecting intelligent workflows with HRMS and corporate IT systems.

MediScribe-AI Platform | React, Node.js, Python FastAPI, OpenAI Whisper, GPT-4

- Developed a full stack ambient clinical intelligence platform allowing clinicians to stream audio during consultations for realtime medical documentation.
- Integrated AI powered extraction pipelines to auto fill Electronic Health Record (EHR) forms, reducing administrative overhead.
- Implemented live transcript streaming with silence filtering and secure OTP-based device pairing across native mobile interfaces and responsive web dashboards.

Portfolio RAG Chatbot | React, LangChain, Vector Databases, Python (Vist)

- Built and deployed a Retrieval-Augmented Generation (RAG) chatbot on impravin.in to interactively parse and retrieve details regarding personal engineering projects.
- Utilized LangChain and vector embeddings to demonstrate practical implementation of semantic text vectorization, document loading, and NLP fundamentals.

PUBLICATIONS

- MediScribe AI: Ambient Clinical Intelligence for Automated EHR Documentation** ([Read](#)) IJFMR, 2026
- Co-authored research analyzing the impact of ambient AI scribes (leveraging Whisper, MedCAT, ClinicalBERT, and GPT-4o) on decreasing documentation time and cognitive load for clinicians in resource-limited healthcare settings.

CERTIFICATIONS

- **AWS Cloud Technical Essentials** – Coursera ([Verify](#))
- **Building Data Lakes on AWS** – Coursera ([Verify](#))
- **Architecting Solutions on AWS** – Coursera ([Verify](#))

LEADERSHIP

- President** June 2025 – May 2026
Raisoni Ace Nova Toastmasters Club Pune, MH
- Directed Toastmasters General Counsel to cultivate a participative environment, fostering strong verbal communication and leadership skills across the member base.

TECHNICAL SKILLS

Programming & AI/NLP: Python, JavaScript, Prompt Engineering, GenAI, OpenAI SDK, RAG, LangChain, NLP Basics, Vector Databases, Transformers, Scikit-learn

Full Stack & Cloud: Node.js, React, Next.js, FastAPI, Express, Tailwind CSS, AWS, Utho Cloud, Docker, Git, MySQL