

Pravin Paithankar

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EDUCATION

G.H. Raison College of Engineering and Management

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

Pune, MH

Expected June 2026

EXPERIENCE

AI Software Developer

July 2026 – Present

Somvanshi Global Technologies

Pune, MH

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

Junior AI Software Developer

Dec. 2025 – July 2026

Somvanshi Technologies

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

June 2025 – Dec. 2025

Somvanshi Technologies

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 real-time 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

- 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

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.

LEADERSHIP

President

June 2025 – Present

Raisoni Ace Nova Toastmasters Club

Pune, MH

- Direct 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, TypeScript, OpenAI SDK, RAG, LangChain, NLP Basics, Vector Databases, Transformers, Scikit-learn

Full Stack & Cloud: Node.js, React, Next.js, FastAPI, Express, Tailwind CSS, AWS (EC2, Lambda concepts), Utho Cloud, Docker, Git, MySQL