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. Raisoni College of Engineering and Management — Pune, MH
B.Tech in Computer Science (Artificial Intelligence and Machine Learning) — *Graduated: June 2026*

Experience

AI / Software Engineer — Sept. 2026 – Present
Persistent Systems Limitted — *Pune, MH*

- Develop Agentic AI systems, Retrieval Augmented Generation (RAG) pipelines, and context aware workflows within the AI Center of Excellence.
- Design intelligent multi-agent architectures to drive enterprise automation and operational efficiency.
- Create AI driven solutions and autonomous agents leveraging advanced prompt engineering to support and optimize phases of the Software Management and Software Development Life Cycles.

AI Software Developer — July 2026 – Sept. 2026
Somvanshi Global Technologies — *Pune, MH*

- Architected and scaled fullstack 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 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