

# OM WANI

(+91) 8788991862 | Pune, IN | [omwani.pages.dev](https://omwani.pages.dev) | [omwani03@gmail.com](mailto:omwani03@gmail.com) | [linkedin.com/in/omwani03](https://linkedin.com/in/omwani03)

## SUMMARY

---

A Software Engineer with more than two years of combined technical experience in languages and technologies such as Python, Java, C#, SQL and various others. An engineer responsible for the development of dependable engineering systems using automation through GenAI. I have also developed reliable software for different businesses serving atleast more than 100 individuals monthly.

## TECHNICAL SKILLS

---

**Languages:** Python, C#, Java, SQL, JavaScript, TypeScript

**AI & LLM:** LangChain, LangGraph, RAG, LLMs, Agentic AI, Prompt Engineering, OpenAI API, Claude API, Gemini API, Ollama, LM Studio, CrewAI, AutoGen, Fine-tuning, Embeddings, Transformer Models

**Engineering & DevOps:** Git, Docker, AWS, Azure, ASP.NET Web API, FastAPI, CI/CD

**Data:** Data cleaning, Preprocessing, SQLite, MySQL, SQL Server, PostgreSQL, JSON, XML

**Quality & Testing:** Telemetry, System Health Monitoring, Automation Scripts, JWT Auth

## EXPERIENCE

---

### AIML Engineer - Freelancer

Aug 2025 – Present

*Upperture Interactive(Om Wani)*

*Pune, IN*

- Created an **end-to-end RAG pipeline** from scratch, resulting in a **60% reduction** in manual information retrieval efforts for Sales, Marketing, and Operations teams.
- Created a functional chatbot that automatically answers **more than 100 queries daily**, thereby **minimizing manual efforts** needed to resolve the issues.
- Handled the **entire 6-month cycle** of requirements gathering, architecture design, and demonstration to stakeholders for both solutions.

### Software Development Intern

Feb 2025 – Jul 2025

*Jade Global Software Pvt. Ltd.*

*Pune, IN*

- **Led a 4-person team** to design and deploy custom software that scans the company's networks for active monitoring and vulnerability detection purposes.
- Established hardware compliance within the organization through the **automation of identifying network resources** and any potential vulnerabilities.
- **Developed software from conception to completion** under guidance from seniors using a multilingual software development environment (Python, Java, ASP.NET, MySQL).

### Web Development Intern

Jul 2024 – Dec 2024

*BioClutch Scientific Pvt. Ltd.*

*Pune, IN*

- Created **IVF Witnessing System through RFID/Barcode system** and automated validation processes with **nearly 100% sample matching accuracy with zero error** due to humans in the embryology process flow.
- Created healthcare ERP package that is now being used in **more than 50 organizations** including patient data management systems, CRM process flows, and real-time digital witnessing.
- Created **operating software for newly developed medical devices** and witnessed integration with EMRs by automating witnessing process chains.

## PROJECTS

---

### Narayan | Python, FastAPI, React, ChromaDB, RAG, Ollama, Langchain

Dec 2025 – Jan 2026

- Link: <https://github.com/om-wani/Narayan>
- Created the RAG system on FastAPI and React/Vite that **delivers citation-backed question-and-answer functionality with fast information retrieval for academia**.
- Designed an entire information extraction pipeline with PyMuPDF and ChromaDB, **optimized for two-column scientific papers**, where recursive chunking and reranking guarantees the relevancy of answers.
- **Fixed any hallucinations in the system** through source-only prompts, inline citations, and metadata.

### Fixed Asset Transfer System | ASP.NET Web API, C#, SQL Server, JWT Auth

Apr 2025 – May 2025

- Link: <https://github.com/om-wani/FATP>
- Developed an **enterprise asset management system with multi-level approval** processes for inter-departmental asset movement and disposal.
- Programmed **conditional branching with thresholds** for finance-related decisions, automating the process for more than three levels of approvals to avoid manual involvement.
- Developed a SQL Server database schema with Entity Framework Core, incorporating JWT authentication, audit trails, and automatic PDF reports.

**Syndicate Events** | *Python, Django, GeoDjango, SQLite, Django Templates*

Nov 2024 – Dec 2024

- Link: <https://github.com/om-wani/SyndicateEvents>
- Developed a **full-stack event aggregation platform** in Django where hosts list local events and users discover them through **geolocation-based proximity filtering** powered by GeoDjango and OpenStreetMap.
- Architected the complete stack solo: **normalized SQLite schemas** for events, accounts, saved events, and notifications; multi-parameter filtering by event type, category, and status; and a full **user auth system** (signup, login, session management) via Django's auth framework.

## EDUCATION

---

**Dr. D. Y. Patil Arts, Commerce and Science College**

Pune, MH, IN

*Bachelor of Science in Computer Science – 7.46 CGPA*

2022 – 2025

## CERTIFICATIONS & ACHIEVEMENTS

---

**IBM RAG & Agentic AI Specialization**

Mar 2026

*Coursera*

- Covered Agentic Systems, AI Security, Vector Embeddings, Generative Model Architectures, LLM Application Development, Multimodal Prompting, Responsible AI, RAG, Tool Calling, LangChain, LangGraph, OpenAI API, Prompt Engineering, AI Orchestration, and Agentic Workflows.

## OTHER EXPERIENCES & CONTRIBUTIONS

---

**Pune FOSS Users' Group**

2019 – Present

*Volunteer & Advocate*

- Promoted open-source software to **hundreds of individuals annually**; hosted a FOSS workshop at college reaching **200+ students**.

**Debian Project**

Sep 2023 – Present

*Contributor – Internationalization & Localization*

- Translated parts of the **Debian Installer to Marathi**; contributed to the i18n/l10n team and attended and helped in the operations of **DebConf23 Kochi, India**.

**Google Developer Student Club (GDSC-DYPACS)**

Aug 2022 – Dec 2024

*Management Team*

- Organised and hosted **workshops, tech talks, hackathons, and events** covering Google Cloud, Kubernetes, and open-source technologies; mentored **fellow students during placement season**.