

Shashank Sharma

Python Developer · Generative AI & AI Agents · LLM Integration
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Malad, Mumbai

SUMMARY

Python developer and BSc IT student (graduating 2026) with hands-on experience building AI-powered apps using LangChain, RAG, and LLMs. Comfortable with Flask, MongoDB, and front-end basics. Focused on growing into AI engineering — building real projects with AI Agents, vector search, and Generative AI.

SKILLS

AI / GenAI	LangChain, RAG, LLM APIs (OpenAI, Anthropic Claude), AI Agents, Prompt Engineering, ChromaDB, Vector Embeddings, Groq
Python	Flask, Streamlit, Backend development, scripting
Databases	MongoDB, MySQL, SQLite, ChromaDB
Frontend	HTML, CSS, JavaScript
Tools	Git, GitHub, VS Code

WORK EXPERIENCE

Full-Stack Developer Intern — IICE, Mumbai

2025 – Present

- Built and maintained full-stack web apps for students and admins using Python, Flask, MongoDB, and MySQL.
- Integrated third-party APIs and handled debugging and testing for production releases.

PROJECTS

Vidyarishi AI Assistant (Python · Streamlit · LangChain · Groq · ChromaDB)

May 2026

- AI chatbot with RAG-based semantic search using vector embeddings for intelligent, context-aware responses.
- Integrated Groq LLM via LangChain with ChromaDB for fast document retrieval.
- Built a full authentication system and responsive UI with Streamlit.

To-Do List App (Python · HTML · CSS)

May 2026

- Built a task management web app with a Python backend and clean HTML/CSS frontend.
- Features include adding, completing, and deleting tasks with a simple and responsive UI.

IRCTC Website Clone (HTML · CSS · JavaScript)

Feb 2025

- Responsive replica of the IRCTC booking portal with dynamic navigation and interactive UI.

Interactive Memory Game (JavaScript)

Jan 2025

- 3×3 and 6×6 card-matching game with randomized layout, timer, and score tracking.

AI & GENERATIVE AI FOCUS

- LLM APIs — building apps with OpenAI and Anthropic Claude, prompt engineering for reliable outputs.
- AI Agents — autonomous agents with tool use, memory, and multi-step reasoning via LangChain.
- RAG Pipelines — end-to-end retrieval with ChromaDB for document Q&A.
- Exploring multi-agent setups, function calling, and agentic workflows.

EDUCATION

BSc Information Technology — Usha Pravin Gandhi College, Mumbai

2023 – 2026

HSC (Science) — 81% — Shri Tikamdas Purushottam Bhatia College, Mumbai

2019 – 2021

CERTIFICATIONS

- ISC2 — Certified in 5 Cybersecurity Domains
- Forage × Accenture — Software Engineering Virtual Experience
- Forage × Tata — Cybersecurity Analyst Virtual Experience
- Forage × JP Morgan — Software Engineering Virtual Experience