MARYAM SAFDAR
Generative & Agentic AI Developer

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Summary

Versatile **Generative & Agentic AI Developer** with over 2 years of experience in developing and deploying **web applications, AI-based** solutions, and **LLM-powered applications**. Proficient in multiple programming languages, Strong problem-solving skills, and ability to work effectively in a team-based environment. Adept at leveraging **cloud-native** architectures and scalable technologies to deliver efficient, user-centered applications. I have also been working on **Fiverr** for the past 2 to 3 years.

Skills

- **Languages:** HTML, CSS, JavaScript, TypeScript, Python
- **Frameworks & Libraries:** React.js, Next.js, FastAPI, Streamlit, SQLModel
- **AI & LLM Tools:** LangChain, LangGraph, Large Language Models (LLMs), Docker
- **Core Development Skills:** Generative AI Chatbot Development, Real-Time Data Integration, Responsive Web Design, User Authentication

Work Experience

Panaversity
Generative & Agentic Developer   **2023 – 2025**
Freelance / Personal Projects
- **AI Web Link Q&A Assistant:** Streamlit app that answers questions from web links using OpenAI, Pinecone, and BeautifulSoup.
- **Customer Support Agent:** Developed a generative AI agent to handle customer inquiries, leveraging LangGraph and Python to streamline customer service.
- **Travel Planner with AI:** Designed a travel planner agent that generates custom itineraries based on user preferences, integrating LangChain and Streamlit for a responsive, intuitive experience.

Web-Based Projects   **2023-2025**
- **E-commerce Site:** Created a fashion catalog with user login, shopping cart, and payment integration using Next.js, TypeScript, React and DaisyUI.
- **Portfolio Website:** Built a fully responsive and animation-rich portfolio using Next.js, TypeScript, Framer Motion, and TailwindCSS.
- **FlowBrain – AI-Powered Note-Taking & Chat Assistant:** Built a smart note-taking web app integrating OpenAI and Pinecone for AI-driven content generation and vector-based search. Features include an intelligent chatbot, real-time syncing, secure authentication (Clerk), customizable themes, and seamless note organization. **Tech stack:** Next.js 14, Tailwind CSS, Clerk Auth, OpenAI API, Pinecone, React Hooks, and Context API.

Internship
NUEXUS Technologies   **Nov 2024 – Jan 2025**
- **AI Q&A Assistant:** Developed an AI-powered question-answering application using Streamlit, LangChain, OpenAI, and Pinecone. The tool enables users to upload PDF documents, ask natural language questions, and receive context-aware answers in real time.
- **Hand-Gesture Controlled Tic-Tac-Toe:** Built an interactive Tic-Tac-Toe game using Python, OpenCV, and Mediapipe, where players use hand gestures to play. Features real-time webcam input, an AI opponent, dynamic scoreboard, and Pygame sound effects, all within a Streamlit UI

Education

Bachelor of Science in Computer Science
Lahore College For Women University
2021-2025

Certifications

- Generative and Agentic AI Developer   **Panaversity**
- LangChain & LangGraph   **LangChain Academy**