MUHAMMAD SHOAIB

AI & Python Developer| Python Tutor | Web Developer

shkshoaib056@gmail.com | +92-314-220-9326 | Karachi, Pakistan | LinkedIn | Portfolio | Github

PROFESSIONAL SUMMARY

Experienced in Artificial Intelligence, AI agents, and chatbot systems with strong skills in Python programming and hands-on experience in NumPy and Pandas for data processing and backend development. Also have 1 year of experience teaching Python online, helping beginners learn programming and problem-solving. Skilled Web Developer with expertise in HTML, CSS, JavaScript, TypeScript, Tailwind CSS, Bootstrap, Next.js, PHP, SQL, and XAMPP, focused on building responsive and modern web applications. Passionate about combining AI with web development to create smart, efficient solutions and continuously growing in emerging technologies.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), TypeScript, PHP, SQL

Frameworks & UI: NumPy, Pandas, Chainlit, Streamlit Next.js, Tailwind, Bootstrap, HTML5/CSS3

Backend & APIs: FastAPI, SQL

Tools & DevOps: Git, GitHub, VS Code, Google Colab

Deployment: Vercel, Netlify, Hugging Face Spaces, Streamlit Cloud, GitHub Pages

Methodology: Code Review, Debugging, Performance Profiling

PROFESSIONAL EXPERIENCE

Python Instructor (Online)

Delivered online Python training to international students, covering core programming concepts, problem-solving, and libraries such as NumPy and Pandas.

ChatBoost.pk

Backend Development Intern – FastAPI

Worked on backend development using FastAPI, focusing on RESTful API development and basic backend logic implementation.

PUBLISHED PROJECTS

Human-Robotic and Physical AI Book

- Developed an educational project on Human-Robotic Interaction and Physical AI concepts.

  Covered basics of robotics, embodied intelligence, and AI integration.

- Organized structured content for easy learning and understanding.
- Live Demo: **https://human-robotic-and-physical-ai-book-gules.vercel.app/**

Comforty Web Application

- Built a complete responsive e-commerce style UI using modern frontend structure.
- Created reusable components for product listing, navigation, and layout design.
- Implemented product display system with clean card-based UI.
- Used responsive design principles to ensure mobile, tablet, and desktop compatibility.
- Live Demo: **https://comforty-hackathon-3.vercel.app/**

AI Q&A Assistant Chatbot

- Built an AI-powered Q&A Assistant Chabot using LangChain and Groq API for real-time intelligent responses.
- Implemented streaming output and chat history to create a smooth and interactive conversational experience.
- Designed and deployed a responsive Streamlit web application with fast inference and clean user interface.
- Users must generate their own Groq API key to access and run the chatbot, ensuring secure and personalized usage of the application.
- Live Demo: https://q-a-assistant-chatbot.streamlit.app/

Library Management System

- Developed a Streamlit-based web application for managing a personal library system.
- Implemented features to add, view, search, and organize books efficiently.
- Focused on clean data handling and structured workflow for book management.
- Live Demo: https://librarymanagementsystemshoby.streamlit.app/

Prayer Timings

- Developed a web application to display daily Islamic prayer timings along with rakaat information.
- Integrated accurate prayer time data for different locations.
- Displayed prayer schedule with corresponding rakaat details for each prayer.
- Live Demo: https://prayerstiming.streamlit.app/

Resume Builder

- Developed a web-based resume builder application to create professional resumes easily.
- Implemented dynamic form inputs for personal details, education, skills, and experience sections.
- Added export functionality to generate downloadable resume output.

  Live Demo: https://resume-builder-dl7j.vercel.app/

EDUCATION

Sindh Madressatul Islam University — Karachi, Pakistan
Bachelor of Science – Software Engineering — Feb 2022 – Mar 2026

CERTIFICATIONS & TRAINING

GIAIC – Artificial Intelligence — Government of Pakistan
Certificate in AI & Machine Learning — 2024– Present/Ongoing

- Certified program in AI fundamentals, Agentic AI systems, and practical AI applications, with hands-on experience in building intelligent AI agents and real-world use cases.
- Issuing body: https://giaic-website-khaki.vercel.app/track/cnc

Web Development — NED(PITP), Karachi
Professional Training Certificate — Mar 2026 – May 2026

- Completed training in HTML5, CSS3, JavaScript, PHP, and modern web development practices for building responsive and dynamic web applications.