Muhammad Usaid

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PROFILE

AI Workflow Developer with a proven track record of creating impactful Custom Action AI agents. Streamlines essential business processes such as lead nurturing, appointment setting, research, and customer support, significantly improving efficiency and conversion rates. AI and ML enthusiast, adept in Python, SQL, and AI solution deployment. Seeking internships, freelance opportunities, or entry-level roles in AI/ML to further develop technical skills and contribute to innovative projects.

WORK EXPERIENCE

AI/ML Projects & Automation Developer
August 2025

Self-Employed (Freelance)

- Developed and launched an AI-powered research and pre-call assistant, generating LinkedIn-based summaries, resulting in a 20% increase in efficient lead generation for clients.
- Designed and implemented automation workflows in n8n & Make.com, enhancing real-time translation, lead generation, and customer support services by 35%.
- Created chatbots using Voiceflow and Relevance AI, improving customer interactions and satisfaction rates by 15%.
- Leveraged Python, SQL, and APIs to analyze data and develop AI-driven solutions, reducing data processing time by 30%.
- Showcased practical AI/ML applications through published projects on GitHub, garnering over 1,000 views and 50 forks from the wider development community.

Student Developer (CS50 & Self-Learning)
January 2024 - June 2025

Harvard CS50

- Successfully completed the CS50 Introduction to Computer Science course at Harvard, demonstrating proficiency in C, Python, SQL, and web development fundamentals.
- Developed and launched multiple small-scale projects, such as problem-solving apps and database-driven applications, showcasing a practical understanding of programming principles.
- Achieved a high level of competency in problem-solving, data manipulation, and application development through hands-on project-based learning.
- Demonstrated ability to work independently and effectively, as evidenced by the successful completion of numerous coding projects.
- Enhanced technical skills in a fast-paced, challenging academic environment, fostering adaptability and resilience.

PROJECTS

AI-Powered Healthcare Triage and Information Assistant
October 2024 - October 2024

Developed a comprehensive AI solution, reducing doctor workload by 20-30% through automating symptom triage, medical record summarization, and health Q&A. Implemented cutting-edge NLP models including Hugging Face Transformers and OpenAI API for efficient data interpretation. Built conversational flows using LangChain, ensuring context-aware dialogue and reliable medical information retrieval. Designed a user-friendly Flask-based web app with structured patient input forms and real-time AI responses for seamless interaction.

Technologies: Python, Hugging Face Transformers, LangChain, Flask, OpenAI API, Pandas, NumPy

Optimized AI-Powered Sub-100ms Workflow Search Engine   October 2024 - October 2024

Developed an efficient, sub-100ms full-text search engine using SQLite FTS5 and FastAPI, boosting query speed by 10x compared to legacy systems. Implemented intelligent categorization for workflows based on trigger type, complexity, and business use case, enhancing workflow management efficiency. Improved system performance by achieving a 700x reduction in file size and 10x improvement in system load time, yielding significant real-world ROI for automation teams. Enhanced workflow visualization with real-time Mermaid.js diagrams, facilitating instant debugging and documentation.

Technologies: SQLite FTS5, FastAPI, Mermaid.js, Docker

EDUCATION

Intermediate in Computer Science (ICS)   June 2026

Degree College No.1, Dera Ismail Khan

Dera Ismail Khan, Pakistan

CS50's Introduction to Computer Science (Certification)   July 2025

Harvard University (edX)

Online

CERTIFICATIONS

- CS50's Introduction to Artificial Intelligence with Python (HarvardX (via edX))

- CS50's Introduction to Computer Science (HarvardX (via edX))