SYED MUHAMMAD SAAD ZAIDI

Computer Science Student | AI & Software Development Enthusiast

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PROFESSIONAL SUMMARY

Motivated Computer Science student at FAST with strong interest in Artificial Intelligence, software development, and full-stack applications. Skilled in C++, Python, and assembly language, with hands-on experience in building AI models, Flask and FastAPI-based systems, and database-driven applications. Passionate about applying problem-solving skills and academic knowledge to impactful, real-world projects.

EDUCATION

FAST National University of Computer and Emerging Sciences | 2023 – Present

Bachelor of Science in Computer Science

Dean's List – 3rd Semester

Habib Public High School | Grade A | 2021 – 2023

TECHNICAL SKILLS

Programming Languages: C++, Python, Assembly, C

Frameworks & Libraries: Flask, FastAPI, TensorFlow, Keras, Streamlit, Pandas, scikit-learn, NumPy, Matplotlib, Hugging Face Transformers, Haystack-AI, OpenAI API, Langchain, ChromaDB

Databases: PostgreSQL, SQLite3, MySQL, MongoDB

Tools & Platforms: Docker, GitHub, VS Code, Jupyter, Google Colab, Railway

Soft Skills: Problem-Solving, Adaptability, Continuous Learning, Team Collaboration, Communication

PROJECTS & WORK EXPERIENCE

LLM Engineering | Jupyter, Python, Hugging Face, OpenAI APIs

- Conducted prompt-engineering experiments on GPT-4 and open-source models, achieving 30%+ improvement in task-specific accuracy through systematic evaluation
- Built production-ready mini-apps for text generation, summarization, and classification with modular code architecture for rapid team deployment

Crowd-Funding Platform | Flask, FastAPI, JavaScript, PostgreSQL, Docker | Backend Lead

- Engineered RESTful API with ACID-compliant transactions, role-based authentication, and input validation handling 100+ concurrent campaign operations
- Implemented RAG-based FAQ system using vector embeddings in FastAPI as a separate microservice, containerized with Docker, and integrated with frontend to reduce support queries by 40% through intelligent automated responses
- Deployed microservices architecture enabling independent scaling of RAG system and main application backend

RO-Plant Customer Portal | Flask, JavaScript, SQLite3 | Freelance (2025)

- Delivered an internal dashboard for tracking daily bottle sales, customer accounts, and live profit totals—replacing paper logs and reducing reconciliation time from 2 hours to 5 minutes daily

CERTIFICATIONS

LLM Engineering – Udemy (Ed Donner) | Certificate No: UC-5baicOtcb-1/3d-479/-acas-sc¥565866Tia