Asher Farhan

📞 0331-5176423   ✉ asherfarhan123@gmail.com   in linkedin.com/in/asher-farhan-472a381b9/

🐙 github.com/AsherFarhan2001

Summary

Ambitious and motivated software engineer with 1 year of professional experience and a strong foundation in Computer Science. Passionate about leveraging technology to solve real world challenges, with a particular focus on AI innovation and full-stack development. Eager to embrace new challenges with a collaborative mindset and staying ahead of emerging technologies to make meaningful contributions to the tech industry.

Education

National University of Computer and Emerging Sciences (FAST-NUCES)　　**Aug 2019 - Dec 2023**
Bachelor of Science in Computer Science　　*Islamabad, Pakistan*

Experience

SHARE Mobility　　**Feb 2024 – Present**
Software Engineer l　　*Columbus, OH*

- Worked as a cross-functional Software Engineer, bridging gaps between development, testing, and data science workflows
- Collaborated with data science team to develop SHARE Assistant, an AI powered product tailored to optimize 40% of customer ride-hailing operations with a 98% accuracy rate.
- Designed and implemented scalable backend endpoints using Python, FastAPI and Node Js.
- Implemented LLM-powered function calls boosting user query resolution by 40%.
- Enhanced the CSV automation product by innovating prompt engineering techniques, addressing challenges related to large prompts, context retention, and minimizing hallucinations by 50%.
- Led the development of comprehensive unit tests for a multilingual AI-powered call automation system using Pytest, achieving a 95% success rate in ensuring robust functionality for customer ride bookings via voice automation.
- Resolved and streamlined bugs, improving performance of system by 30% for seamless functionality.
- Executed thorough manual and automated testing using Cypress in collaboration with the QA team, increasing test coverage by 25% with a reduction in critical bugs.

National University of Computer and Emerging Sciences　　**Sep 2023 – Dec 2023**
Teaching Assistant　　*Islamabad, Pakistan*

- Assisted in managing coursework and providing academic support as a Teaching Assistant for a course of software Design and Analysis.
- Managed grading for assignments, quizzes, and projects, while addressing student queries and concerns.

Projects

Share Assistant | *Python, FastAPI, Langchain, OpenAI API, RAG, LLM*　　**March 2024**

- Implemented LLM-powered function calls to enhance functionality and enable efficient AI-driven operations.
- Conducted prompt engineering, crafting optimized prompts to minimize hallucination and enhance the model's context retention and accuracy.
- Implemented core functionalities and API endpoints using Python, FastAPI

Smart Shop (Final Year Project) | *Python, Flask, MERN Stack, Machine Learning*　　**January 2023**

- Developed smart shopping system using AI ML algorithms incorporating TF-TDF and cosine similarity to provide tailored product recommendations.
- Designed and integrated a smart delivery system inspired by Uber H3 algorithm to optimize delivery routes and notify nearby customers for timely delivery of orders.
- Collected and preprocessed a dataset of 5000+ products, generating descriptions to improve recommendation precision and ensuring high-quality training data

Technical Skills

Languages: C++, C, Java, Python, Javascript, SQL
Developer Tools: Git, Github, Slack, Jira, Insomnia, VScode, Cursor, Vercel V0
Technologies/Frameworks:Node.js, React.js,Tailwind, Express, FastAPI, Expo, Sequelize ORM
Generative AI: OpenAI, Langchain, LLM, RAG, Pinecone

Certifications

- Microsoft Certified: Azure Fundamentals