ASHER FARHAN

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Summary

Ambitious and motivated software engineer with a 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.

Experience

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

- 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.
- Improved the CSV automation product by innovating prompt engineering techniques, addressing challenges related to large prompts, context retention, and hallucinations.
- Implemented LLM-powered function calls boosting user query resolution by 40%.
- 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.
- Integrated OpenAI services, leveraging Chat Completions API for LLM functionality and Whisper for audio transcription, enhancing conversational AI capabilities.
- Conducted thorough manual and automated testing using Cypress in collaboration with the QA team, ensuring product quality and reliability.
- Resolved and streamlined bugs, improving performance of system by 30% for seamless functionality.
- Participated in a company-wide hackathon, presented the idea of a vanpooling solution with extra features, and designed its POC using Next.js, showcasing innovation and technical creativity.

Education

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

Bachelors in Computer Science

Certifications

- Microsoft Certified: Azure Fundamentals

Skills

Languages: C++, C, Java, Python, Javascript, SQL

Technologies: Node.js, React.js,Tailwind, Express, FastAPI, Pytest, Jest

Tools: Git, Github, Slack, Jira, Insomnia, VScode, Cursor, Vercel V0

Databases: MySQL, MongoDB, Sequlize ORM, SQL Sever

Generative AI: OpenAI, Langchain, LLM, RAG