Mohammed Alamgir

Los Angeles, CA | (484) 744-3208 | mohammed.salamgir@gmail.com |

Education

University of Southern California; **May 2024**

Bachelor of Science in Computer Science and Business Administration

- *Questbridge Scholar* - Competitive scholarship
- **Relevant Coursework**: Data Structures and Object-Oriented Design, Introduction to Algorithms and the Theory of Computing, Full-Stack Web Development, Linear Algebra and Differential Equations, Discrete Methods in Computer Science

Skills

Languages: Python, C++, C#, HTML/CSS, JavaScript, Java, R, SQL
Frameworks/Technologies: Flask-RESTful, Flask, ASP.NET, Git, Postman, JupyterLab, Figma, React, Vue.js, Bootstrap

Work Experience

GSK (via Atrium) **June 2022-August 2022**

Software Engineering Intern

- Developed API to enable required features in the DevSecOps dashboard pipeline [**Flask-RESTful, Python**]
- Modified dashboard APIs to comply with the existing Kafka and ELK Stack requirements **[Pandas, NumPy]**
- Developed a 3-tier contract software feature implementation **[C#, ASP.NET]**
- Created unit tests for the developed APIs with over 99% code coverage **[Pytest, Postman, C#]**
- Researched and developed POC for Luigi package **[Luigi]**
- Presented technical report which led to Luigi's integration to the team's existing codebase

University of Southern California Information Technology Services **September 2021-Present**

Remote Student Computer Consultant

- Diagnose technical issues to assist customers in fields related to cybersecurity, authentication, and database
- Utilize ITS knowledge base to create new solutions and implement older ones
- Document connectivity and authentication use-case issues with USC's account systems

Projects

SalStocks **September 2022-October 2022**

- Parsed JSON and CSV files to store stock database and future stock trades, also checked for valid input **[Java]**
- Implemented multi-threading to simulate stock trades by stock brokers set by user-inputted files

mealShare - hackSC - Hackathon **January 4th, 2021-January 6th, 2021**

- Utilized designing tools to create a mockup and designed user workflow for the app **[Figma]**
- Designed and created aesthetically pleasing web pages, focusing on simplifying user experience **[HTML, CSS]**
- Designed database on DBDiagram and set it up on Cloud Firestore **[Firestore]**

Leadership

Association of Computing Machinery - University of Southern California Chapter **October 2021-Present**

Corporate Chair (E-board)

- Developed resume book database (150+ resumes) that utilizes option trees to make it organized
- Conduct meetings with corporate representatives to organize sponsorships and manage 2 corporate officers
- Helped organize Industry Day (80+ attendees) and ACM hackathon (90+ attendees) and judged final contestants

Interests: *Middle-Eastern History, Weightlifting, Pakistani Music, Gaming, Nature Walks*