MUFIQ ALI

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EDUCATION

The University of Texas at Austin, Austin, TX   **May 2025**
Bachelor of Science in Electrical and Computer Engineering

SKILLS

Proficiency: Python, Java, C/C++, Assembly, SQL, Agile, Grafana, MATLAB, CSS, JavaScript, HTML
Familiarity: Apache Kafka, Swift, Kubernetes, JBoss, Spring Boot, Mockito, React, SNOW, PromQL, and Eagle
Certifications: Oracle MySQL Explorer**,** Microsoft (Word, PowerPoint, Excel)

EXPERIENCE

Visa Inc., Atlanta, GA **|** *Software Engineering Intern*   **May 2024 - August 2024**
- Utilized Apache Kafka to migrate 4 disparate MS SQL databases into a unified MySQL data warehouse, improving data accessibility and reducing query response times by 30%
- Employed Grafana to develop 3 interactive dashboards, leveraging MySQL data warehouse queries to visualize key performance metrics, enhancing data-driven decision-making processes across multiple teams
- Integrated Prometheus for real-time metric collection using PromQL, expanding monitoring capabilities and creating 5+ additional dashboards that improved system performance insights by 30%
- Developed a Python API to directly access and extract information from Grafana dashboards, enabling automated data analysis and reporting, which reduced manual reporting efforts by 25%

U.S.A.A. Inc., Dallas, TX **|** *Software Engineering Intern*   **May 2023 - August 2023**
- Engineered a new algorithm and feature using Java and Spring Boot, enhancing the enrollment flow process for new users, saving the company an estimated $50,000 per quarter
- Developed a RESTful API that allowed for the automatic generation of Service Now tickets based on information obtained through the new enrollment algorithm, reducing support time by 70%
- Built an asynchronous process with Spring Boot to identify enrollment mismatches in databases and automatically generate support tickets via the API
- Utilized Mockito to conduct extensive testing and debugging on newly created features, writing over 30 unit, integration, and mutation tests, achieving 100% code coverage

Power Banks Depot, Houston, TX **|** *Software Engineering Intern*   **May 2022 - August 2022**
- Spearheaded online operational improvements to increase profitability by 20%, integrating shipping APIs, building a customer portal, tracking sales, and routing back-end invoice tracking
- Programmed intensive site tracking tool that tracked customers through their order process and enabled management to identify gaps in marketing and critical touchpoints, increasing customer conversion rate by 12%
- Optimized a set of SQL queries to allow for the efficient retrieval of customer data, decreasing query time by 15%

PROJECTS

More Projects: mufiqali.com/projects

StockWatch Chrome Extension | *HTML, JavaScript, CSS, ChartJS* **|** View Code
- Built a pop-up Chrome extension using JavaScript, HTML, and CSS, that displays the movement of the three major stock indexes of the New York Stock Exchange
- Implemented Twelve Data and corresponding API calls to fetch real-time stock data as a JSON with 95% accuracy
- Arranged corresponding JSON data to collect key data points to create a line graph with ChartJS that displays the price of an index at a certain time during the day

URL Rewriter | *React, Python, JavaScript, HTML, Firebase* **|** View Code
- Incorporated JavaScript, HTML, and React framework to build a one-page website that allowed users to shorten their URLs and redirect them to the page that they want
- Implemented Python and Firebase to create the backend process of generating redirect links and storing them in a NoSQL database, handling 1,000+ links with 99% uptime