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   GPA *3.8*
Certificate in Elements of Computing & Computational Science and Engineering

Relevant Coursework: Data Structures and Algorithms I & II, Software Design and Implementation I & II, Data Science Principles, Computer and Software Architecture, Operating Systems

SKILLS

Technical /Computer Skills: Proficiency in Python, Java, C, C++, Assembly, Golang, and MATLAB. Familiar in Agile, CSS, SQL, JavaScript, HTML, Swift, Kubernetes, JBoss, Spring Boot, Mockito, React, SNOW, and Eagle
Languages: Fluent in Urdu, Hindi, and Gujarati
Other: Microsoft (Word, PowerPoint, Excel), Power tools, Soldering, Oscilloscope

EXPERIENCE

U.S.A.A. Inc., Dallas, TX **|** *Software Engineering Intern*   **May 2023 - August 2023**
- Developed a new algorithm and feature using Java and Spring Boot that enhances the enrollment flow process for new users, saving the company an estimated $250,000 per quarter.
- Created a RESTful API that allowed for the automatic generation of Service Now tickets based on information obtained through the new enrollment algorithm, thus reducing support time by 70%.
- Used Spring Boot in order to create an asynchronous process to catch enrollment mismatches within the databases and then make a call to the created API to generate a support ticket.
- Used Mockito to conduct extensive testing and debugging on newly created features by writing unit, integration, and mutation tests.

Power Banks Depot, Houston, TX **|** *Software Engineering Intern*   **May 2022 - August 2022**
- Spearheaded online operational improvements to increase profitability (shipping API integrations, customer portal buildout, sales tracking, back-end invoice tracking, and routing buildout).
- Programmed an intensive site tracking tool that tracked customers through their order process and enabled management to visualize gaps in marketing and critical touchpoints increasing customer conversion rate by 12%.
- Refined and created a set of SQL queries to allow for the more efficient retrieval of customer data and records, decreasing query time by 15%.

PROJECTS

More Projects: mufiqali.com/projects

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

AliWeather IOS App | *Swift*
- Used Swift to develop an IOS weather app that gets the weather of the user's location.
- Used the OpenWeather API to use the user's current coordinates to get an accurate and detailed weather report.
- Used Swift UI features to create a UI that iterates through the received report and selects the most important information to seamlessly display on a single page.

URL Shortener | *React, Python, JavaScript, HTML, Firebase*
- Used JavaScript, HTML, and the React framework to build a one-page website that allowed the user to shorten their URLs and redirect them to the page that they want.
- Used Python and Firebase to create the backend process of creating the link that redirects the user and used a NoSQL database to store the links created by the user.