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<MAHAD FAROOQ>

EDUCATION

FAST NUCES, Lahore (2017-2021)

Major: Electrical Engineering, BSEE   **Minor:** Computer Engineering   **CGPA:** 3.54/4.00

Programming Coursework: Object Oriented Programming, Data Structures & Algorithms, Operating Systems, Data Communication & Networks, Machine Learning, Databases

EE Coursework: Digital Logic Design, Computer Organisation & Arch., MicroProcessor Interfacing & Programming, Embedded Systems, Digital Designs

LGS JT, Lahore (2012-2017)

O-Levels: 7 A*s & 2 A's   **A-Levels:** 2 A's & 2 B's

PROFESSIONAL EXPERIENCE

Software Engineer, Full Time   **Laam.pk (Startup)**(www.laam.pk)   **Nov 2021-Present**

- **Headless Storefront UI:** Migrate from existing Shopify website to a Headless Storefront UI which serves content as a hybrid (SSR and Static) application hosted on GCP. Improving the average load time to be 4 times faster, and customer conversion rate from 0.7% to 0.95% (monitored since going live in May to Aug)
- **Content Management System:** A user role based content management system for end users to create new pages and to edit content, structure and styling of the website.
- **International Shipments Module:** In the festive (Eid) season sale, automated international shipping in the warehouse by integrating third party shipping API's with the internal application. This increased no. of shipments created per day per person by up-to 125%.
- **Customer Transactions Module:** Automation of customer transactions to resolve order states depending on different types of transactions done by the customers, which helped increase efficiency of order processing, hence improving order delivery time.
- **Shipper's Perfomance Dashboard:** Analysed shippers data to compare each shipper's perfomance in different areas. Allowing to make a data driven decision to pick the best shipper for each specific area to optimise order delivery.
- Leveraged knowledge in Full Stack Web Development, Javascript, Python, Google Cloud Platform, Git, CI/CD(Github & Github Actions), Docker, PostgreSQL, Node.js, Flask, Vue.js, HTML, CSS

Data Engineer, Intern   **Techlogix** (www.techlogix.com)   **Oct 2021**

- Transformation and Loading of data.
- Set up & automate data pipelines.
- Leveraged knowledge in MS SQL Server, SQL Server Integration Services(SSIS), Erwin, Power BI

Teaching Assistant   **FAST-NUCES** (www.nu.edu.pk)   **Jan-Jun 2021**

- Probability & Statistics

PROJECTS

- Final Year Project: An IOT based Non-invasive Glucose Monitoring device using Linear Regression connected to an application to reflect live results of patient for communication with the end users. Developing to upgrade and add more features to this project.
- A Database project to design the backend schema for an Airline Management System. Database triggers and functions to update data directly in the database.
- Student Management System in C++ using concepts of Object Oriented Programming without using any database to persist data, depending entirely on classes.
- Door Lock Security system using 8086 microcontroller in assembly language for MicroProcessor Programming Project.
- An Embedded Systems Project for Smoke and Intruder Detection system using TM4C123GH6PM microcontroller in C language.

SKILLS

- *(Proficient)* SQL, Javascript, Python, Assembly, GCP, Git, Docker, Vue.js, Node.js (Express.js, Koa.js), Flask, HTML/CSS, REST APIs
- *(Familiar)* C++, C, Github Actions, Writing Test Cases, GraphQL, Data Visualisation (Data Studio, Power BI), BigQuery, SQL Server Integration Services, Tailwind CSS