

# Muhammad Shehryar Ahmed

Full Stack Developer | Quality Assurance | Software Engineer (FAST-NUCES)

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Karachi, Pakistan (Open for relocation and remote opportunities)

## Education

### - BS Software Engineering [08/2019 - 06/2023]

**FAST-NUCES** (Karachi, Pakistan)

CGPA: 3.38

Some of the main courses are:-

- Object Oriented Programming
- Data Structures
- Databases
- Computer Networks
- Web Programming
- Artificial Intelligence
- Blockchain
- Software Design & Architecture
- Information Security
- Design & Analysis of Algorithms
- Software Quality Engineering
- Software for Mobile Devices (Flutter)
- Simulation & Modeling
- Probability & Statistics
- Discrete Structures
- Human-Computer Interaction
- Operations Research
- Finance & Accounting
- Operating Systems
- Software Requirements Engineering
- Software Construction & Development
- Technical Business Writing
- Software Project Management
- Software Re-Engineering
- Professional Practices in I.T.
- Agile Development

## Projects

### - Darzii (MERN Stack) - FYP [09/2022 - 05/2023]

- Worked as the team leader, collaborating closely with team members to ensure successful completion of project milestones and deliverables.
- Developed a full-stack web application named "Darzii" as a final year project using the MERN stack that allows users to order customized dresses, interact with tailors, and track their orders.
- Designed and implemented a responsive UI named as "ClothUI", which allows users to create, edit and save custom clothing designs.
- Integrated user authentication, and a payment gateway API for processing orders.
- Conducted rigorous testing and evaluation of the system throughout the development process to ensure quality and user satisfaction.

### - Shop.it [01/2022 - 06/2022]

Developed a PHP-based online clothing store with an SQL database and Bootstrap frontend.

### - Neural Net Trainer [07/2020 - 01/2021]

Created a C++-based neural net trainer for customized dataset with core data structures and algorithms.

### - Roaming Routes [01/2022 - 06/2022]

Created a PHP trip planner with interactive UI/UX, SQL database, and hotel/transport booking.

## Work Experience

### - Contractor (Remote) [01/2022 - 01/2023]

**Equinix** (Sunnyvale, California)

Worked under the supervision of Senior Manager - (Cloud and Edge Services) to develop an AWS Virtual Machine hosted application for the reservation of a troubleshooting lab which is used to replicate bugs and errors indicated by the clients.

**Core technologies:** PHP, JavaScript, HTML/CSS, Python, SQL, Bash Scripting.

- Developed a Web Application with backend in PHP and SQL database.
- Developed use-cases and designed workflows.
- Wrote bash scripts for linux systems to perform operations and task scheduling.
- Developed Python code to govern bash scripts and databases.

### - Jr. Developer (Remote) [01/2019 - 06/2021]

**Let's Awake Inc.** (Mississauga, Canada)

Was employed as a junior developer on various projects such as, student performance tracker, class attendance management, lecture planner etc.

**Core technologies:** JavaScript, HTML/CSS, PHP, Google App Scripts.

- Worked on student performance tracker which generates weekly/monthly reports of each student based on their evaluations.
- Worked on an automated class attendance module which was integrated with the performance tracker.
- Developed various modules in PHP to enable automated student management.

## Skills

### - Languages

C/C++, Java, PHP, JavaScript, HTML/CSS, Python.

### - Productivity

Git, Linux (Debian), Bash (Shell Scripting), LucidChart (UML), Eclipse Papyrus (UML), AWS VMs.

### - Databases

MySQL, MongoDB.

### - Prompt Engineering

GPT-3, GPT-4.

## Certifications

### - Dean's List (FAST NUCES KHI) [2020, 2023]

Certificate awarded on securing a SGPA of more than 3.5.

### - IELTS [02/2023]

Overall Band Score: 7.5.