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]*

- 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.
- Collaborated closely with team members to ensure successful completion of project milestones and deliverables.

- 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, MogoDB.

- 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**.