Muhammad Shehryar Ahmed

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

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Karachi, Pakistan (Open for remote opportunities)

Work Experience

- Contractor *[01/2022 - Present]*

Equinix (*Sunnyvale, California*)

Equinix, Inc. is an American multinational company headquartered in Redwood City, California, that specializes in Internet connection and data centers.

Worked under supervision of Senior Manager - (Cloud and Edge Services) to develop AWS Virtual Machine hosted application for the reservation of 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.

- Junior Developer *[01/2019 - 06/2021]*

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

*Let's Awake is a Canada based non-profit organization which aims to enlighten the underprivileged & child laborer segment of **Pakistan** by empowering them with education, skills and tolerance towards others.*

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.

Education

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

FAST-NUCES (*Karachi, Pakistan*)

CGPA: **3.33**

Some of the main courses include:
OOP, DATA STRUCTURES, DATABASE, COMPUTER, NETWORKS, WEB PROGRAMMING, A.I., BLOCKCHAIN, SOFTWARE DESIGN & ARCHITECTURE, INFORMATION SECURITY, DESIGN & ANALYSIS OF ALGORITHMS, SIMULATION & MODELING, SOFTWARE QUALITY ENG.

Personal Projects

- Online Clothing Store *[01/2022 - 06/2022]*

- Developed a PHP project, with standard online shopping functionalities.
- Used SQL Database to manage inventory.
- Interactive and modern looking frontend was designed using Bootstrap.
- Designed and Developed the architecture.

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

- Under the supervision of Associate Professor **Dr. Muhammad Rafi** developed a C++ based platform to create a desired architecture neural network model.
- Train models and save them for future learning for increased accuracy on the customized dataset.
- Used all core concepts of Data Structures and efficient data types and algorithms.

FYP & Other Projects

- Darzii *(MERN Stack)* - FYP *[09/2022 - Present]*

A project which connects clients with tailors; also includes an online store to buy clothings. The project also has a taste of Computer Vision as a feature which uses machine learning to extract body measurements of clients using image processing.

- Trip Planner *[01/2022 - 06/2022]*

A PHP Web application aiding people to plan their trips, with interactive UI/UX design and SQL database. The website shows hotel packages and transport services advertisements. The users can plan their trips by selecting the best option suitable for them.

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.

Certifications

Dean's List Of Honorary Accomplishments *[2020-2021]*
Certificate awarded when a student secures a SGPA of 3.5+.

Areas of Self-interest

Quantum Computers • Agile Development • Cloud computing • Virtual Machines • Blockchain • Crypto