


Muhammad Maaz


Software Developer

Enthusiastic software developer with a passion for learning and creating user-friendly and robust applications. Ready to contribute to innovative tech projects.

mmaazz4339@gmail.com 

+923090296943 

Islamabad, Pakistan 

linkedin.com/in/muhammad-maaz-a49691249 

github.com/MaaniMaaz 

EDUCATION

BS Computer Science FAST NUCES Islamabad

08/2020 - Present

Cambridge International A' levels FFC Grammar School & College MM

08/2018 - 08/2020

WORK EXPERIENCE

Web Development Intern CODUKO (PRIVATE) LTD.

02/2023 - 05/2023

UK-based IT firm, provides a spectrum of technology services, including software development, IT consultation, and cloud solutions.

Achievements/Tasks

- Developed a responsive front-end interface using HTML, CSS, jQuery, and Bootstrap.
- Implemented back-end functionality using PHP, Laravel, and PHPMyAdmin SQL Server.
- Utilized AJAX for creating asynchronous web applications, enhancing user experience.
- Managed version control for project development using Git and GitHub.
- Collaborated in an Agile project management environment, contributing to various stages of the project lifecycle.
- Gained experience in software testing and debugging, ensuring the delivery of high-quality code.

Corporate Intern Fauji Fertilizer Company MM

06/2019 - 08/2019

a leading Pakistani corporation, renowned for its production and distribution of high-quality fertilizers

Achievements/Tasks

- Gained firsthand experience in the operations of a large-scale firm, enhancing understanding of corporate structure and workflow.
- Acquired knowledge about the various departments and their interconnectedness within the organization.
- Developed professional communication skills through regular interactions with various team members and departments.
- Leveraged opportunity to understand how strategic decisions are made in a large firm, contributing to a more comprehensive understanding of business operations.

TOOLS & TECH

Html/Css

C++/C/C#

Javascript

PHP

Bootstrap

Jquery

Laravel

.NET

SQL

Github

PROJECTS

FAST FLEX Management System (05/2023 - 05/2023)

- Conceptualized and implemented a robust database management system for my university project to enhance student academic portal and information management.
- Developed diverse user interfaces leveraging HTML, CSS, and jQuery.
- Built secure user management system with distinct sign-up and login features.
- Utilized SQL Server and C# .NET for efficient back-end development.
- Managed user privileges effectively, safeguarding system integrity and ensuring role-appropriate access.

E-commerce Platform Development (02/2023 - 02/2023)

- Executed a full-stack development project to recreate a functional e-commerce platform using Laravel/PHP.
- Incorporated PHP Laravel for server-side logic, handling key functionalities such as product management and user sessions.
- Managed database operations using SQL, ensuring effective handling of user data and product information.
- Conducted rigorous testing to identify and rectify bugs, achieving high-quality performance and reliability.

DBMS using Data Structures (11/2022 - 11/2022)

- Incorporated B-tree, AVL tree, and Red-Black tree-based indexing methods on the stored data to facilitate efficient search and update operations.
- Developed an efficient method for handling duplicates in the index, ensuring that each key in the B, AVL, and Red-Black trees has a unique entry, even if the key points to multiple data tuples.
- Enabled the DSDB system to perform a range of operations including index creation, point search, range search, data update, and data deletion.
- Ensured performance transparency by designing the system to display the number of disk I/O operations performed for each operation.

Neural Network using OS concepts (01/2023 - 01/2023)

- Designed and implemented a neural network architecture in an operating system environment, leveraging multi-core processing for parallel computation, optimizing the overall system's processing power.
- Implemented inter-process communication (IPC) using pipes for efficient data exchange in neural network training.
- Implemented process synchronization and memory management techniques to maintain system integrity during the neural network's training process, avoiding race conditions and memory conflicts.
- Utilized thread management and process scheduling strategies to efficiently manage resources, reducing overall training time and ensuring smooth operation of the neural network.