Muhammad Abdullah

+92 334 153 1537 | islw.abdullah@gmail.com | muhammadabdullahportfolio.netlify.app/ live:islw.abdullah
github.com/AlphaOrez | linkedin.com/in/muhammad-abdullah-20627b155/ | Islamabad, Pakistan

Education

FAST National University of Computer and Emerging Sciences — Islamabad, Pakistan
B.S. Computer Science; ***CGPA: 3.34/4.00 (Bronze medalist)*** — *Sep 2019 – Jun 2023*

SuperNova School & College — Islamabad, Pakistan
GCSE A levels; ***Percentage: 73%*** — *Sep 2017 – Jun 2019*

Westminster School & College — Islamabad, Pakistan
GCSE O levels; ***Percentage: 70%*** — *Sep 2014 – Jun 2017*

Work Experience

Software Engineering Intern — Nov 2023 – to-date
Learners.ai — *Toronto, Canada*

- Developed and maintained Python full-stack applications using Django, and various front-end technologies, ensuring robust functionality and an optimal user experience.
- Leveraged AWS cloud services for deployment, scalability, and management, enhancing application performance and availability.
- Designed and optimized databases, leveraging both SQL and NoSQL solutions.

Teaching Assistant — Jan 2023 – Jun 2023
FAST National University of Computer and Emerging Sciences — *Islamabad, Pakistan*

- Assisting students with debugging and troubleshooting web development projects.
- Grading assignments and providing constructive feedback to students.
- Staying up-to-date on the latest web development trends and technologies to ensure the course materials are current.

Projects

Chess in Metaverse(Metachess)Recipient of 'Best FYP Award' - Spring 2023. | *GitHub*

- Metaverse based VR chess game developed using Unity. All the 3D models are designed using Blender and Unity. The interaction between unity and Oculus is done using Ready Player Me.
- Aside from basic moves, the mini chess engine also implements chess rules such as castling, en passant, fifty-move rule, threefold repetition, and pawn promotion.

Stock prediction using Machine learning | *GitHub*

- A ML project in which I have used ETL before model evaluation. In this project I have used 3 models; Linear Regression, Support Vector Regression, XGBRegressor.
- Based on their performance on the training and validation datasets, I have selected the ML model that best fulfills the intended purpose.

AI Multilingual Chatbot | *GitHub*

- Developed and implemented a multilingual AI chatbot using BERT and Transformer models, enabling seamless communication with users in multiple languages.
- Leveraged the power of pre-trained language models and fine-tuning techniques to enhance the chatbot's language understanding and response generation capabilities.

Django Powered E-Commerce Platform | *GitHub*

- Developed a robust e-commerce platform using Django, offering features like product promotions, collections, and advanced product management, as well as comprehensive customer profiles and efficient order processing.
- Implemented a REST API, extending the platform's functionality to enable external applications and services to interact with the e-commerce system programmatically.

Portfolio website | *Website*

- A portfolio website build using React as front-end and Sanity as back-end. Website is hosted on netlify.
- It is scalable and is accessible on both mobile and web platforms. It features animated cards that showcase information about, skills, projects, and contact details.

Crypto transfer Mern based Dapp | *Website*

- A project where users can transfer Ethereum. Users connect their wallet through Metamask and from smart contracts written in solidity, all the transaction takes place.
- Once the transaction is successfully executed, a card containing the sender's and receiver's address information, along with an associated GIF, will be securely uploaded to the website via blockchain integration.

Showcasing 3D models using React-Three-fiber | *Github*

- Users can interact with the models by rotating, zooming, and panning them using mouse or touch gestures. They can also change the background and lighting of the environment
- The showcase allows for the easy integration of 3D models into web applications, making it an excellent tool for businesses and organizations that need to showcase products or designs.

Skills

Programming: Python, C++, C#, Solidity, JS, Shell scripting(Bash, PowerShell, and Zsh), Dart

Technologies: Git, Docker, Kubernetes, React, Node, Django, Firebase, MongoDB, MySQL, Odoo, AWS, Azure