Muhammad Abdullah

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EDUCATION

FAST National University of Computer and Emerging Sciences   Peshawar, Pakistan
B.Sc. in Computer Science; **GPA: 3.25/4.00**   *Sep 2019 − Jun 2023 (Expected)*

SuperNova High College   Islamabad, Pakistan
A levels; **Percentage: 73/100**   *Sep 2017 − Jun 2019*

Westminster School & College   Islamabad, Pakistan
O levels; **Percentage: 70/100**   *Sep 2014 − Jun 2017*

PROJECTS

Chess in Metaverse(Metachess) | *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 usinging Ready Player Me.
- Aside from basic moves, this 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*
- An ML project in which I have used ETL before model evaluation. In this project I have used 3 models; Logistic Regression, Support Vector Machine, XGBClassifier
- Then based on their performance on the training and validation data I have choose which ML model is serving the purpose at hand better.

P2P centralized file system | *GitHub*
- This application is a P2P file sharing system with a centralized index (CI), in which peers who wish to download a file that they do not have in their hard drive, may download it from another active peer who does. All communication among peers or between a peer and the server will take place over TCP.

Portfolio website | *Portfolio*
- A portfolio website build using React as front-end and used Sanity as back-end.Website is hosted on netlify.
- It is scalable and mobile friendly as well as web based.Include About, skills, work, and contact information in varies animated cards

Crypto transfer Mern based Dapp | *Website*
- A project where users can transfer Ethereum. Users connect their wallet through Metamask and from smart contract written in solidity, all the transaction takes place.
- After the transaction is successfully done a card in which sender and receiver address information stored with a Gif will be uploaded on the website through blockchain

SKILLS

Programming: Python, C++, C#, Solidity, JS,MySQL,NoSQL

Technologies: Git, GitHub, Dockers, Kubernetes, Cisco Packet Tracer

Languages: Urdu (Native), English (Professional)

Frameworks: React,Node,SCSS

RELEVANT COURSEWORK

Major coursework: Numerical Computing, Artificial Intelligence, Information Security, Calculus I-II, Applied Physics, Programming Fundamentals, Differential Equations, Object Oriented Programming, Data Structures, Linear Algebra , Database Systems, Operating Systems, Probability and Statistics, Computer Networks, Theory of Automata, Software Design and Analysis, Parallel and Distributed Computing, Software Engineering, Professional Practices in IT

Minor coursework: Data Science, Cloud Computing, Discrete Structure, Digital Logic Design, Fundamentals of Management, Communication & Presentation Skills, Fundamentals of Accounting, Technical and Business Writing, Natural Language Processing, Financial Derivatives