



Mohammad Bilal Aziz

Computer Science Undergrad

Motivated developer with a passion for solving complex problems through innovative technology solutions

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EDUCATION

Bachelors in Computer Science FAST NUCES, Karachi

08/2020 - Present

GPA: 3.91/4.00

A Levels Generation's School

08/2018 - 08/2020

Grades: A*, 3A

WORK EXPERIENCE

Angular Intern fainin

12/2023 - Present

Germany

fainin is a remote startup, a place to connect with people while renting and lending things.

Achievements/Tasks

- Elevated frontend development by seamlessly integrating Ng-Zorro, transforming the user interface and optimizing component management.
- Innovated a core product inventory feature, redefining user workflow and setting new standards for efficiency and intuitiveness.
- Orchestrated project success through meticulous product management using Jira and maintained code repositories with precision using Bitbucket, ensuring a scalable and collaborative development environment.

Blockchain Intern Analog Mutations

12/2023 - 09/2023

Karachi, Pakistan

A startup, creating revolutionary projects in the domain of blockchain and web3.

Achievements/Tasks

- Proficient in cutting-edge technologies like MERN, Web3, and Deep Learning, demonstrating innovative thinking and technical expertise in decentralized applications.
- Demonstrated persuasive communication to present impactful demos to international investors and foster cross-cultural collaboration.
- Actively contributed to Scrum meetings, highlighting a strong collaborative spirit and adaptability in fast-paced, agile development environments.
- Leveraged Azure to facilitate seamless cross-team collaboration, coupled with Docker expertise to containerize and deploy machine learning models, streamlining project workflows and optimizing resource utilization.

SKILLS

Javascript

Python

PHP

C++

C#

C

React/ React Native

Node

Angular

ZoKrates

Strapi

Ng-Zorro

MaterialsUI

Tailwind

Express

Azure

Dockers

Jira

Github

AWS

Scrum

PROJECTS

Final Year Project: zkVML - Zero Knowledge Verifiable Machine Learning (08/2023 - Present)

- Leveraged the power of zero knowledge proofs to generate proofs of computation for machine learning models' API, using ZoKrates.
- Successfully created APIs in python to generate a fully verifiable KNN model, along with documentation of each API and UI for testing the model.
- Effectively tested the KNN model on different parameters and plotted the findings for further analysis.
- Designed SRS, SDS and Literature Review documents, to document the structure and findings of the project.

Tablextract: Scan invoices and convert them to CSV

- Developed a cross-platform, efficient, and easy-to-use mobile application using React Native and Firebase, that can convert any invoice into a CSV format.
- Successfully fine-tuned state-of-the-art existing models like YoloV8, and integrated different models to create a seamless flow of work.
- Effectively preprocessed the data, trained the model and developed APIs, exhibiting expertise in different domains.
- Dockers and Github were used for collaborative purposes. Server was hosted on dockers.

ACHIEVEMENTS

Merit Scholarship by System's Limited

Community Service in Make A Wish Foundation

Position Holder for Spring 2020 Semester

1st Prize in Procom in the "iQuest" competition

CERTIFICATES

Specialization in Test Driven Development

Completed a specialization, consisting of 4 courses, on Test Driven Development by LearnQuest on Coursera