Muhammad Abuzar

Web Developer & Deep Learning Practitioner

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A final year Software Engineering student, seeking entry level roles in Web Development and Data Sciences.

EDUCATION

Bachelor's in Software Engineering
The Islamia University of Bahawalpur
12/2020 - Present   *3.57/4.0*

WORK EXPERIENCE

Frontend Engineering Intern
Bytewise Limited
09/2022 - 12/2022   *Remote*

Achievements/Tasks
- Created a fully responsive OLX Clone with Reactjs, optimized the loading time with pagination, memoization and lazy loading.
- Consumed RESTful APIs according to Microsoft's REST API guidelines, with proper status codes and HTTP methods, enhancing code readability and site performance.
- Divided my code repository into production and development branches for better version control and CI/CD.

Data Engineering Intern
Bytewise Limited
03/2023 - 07/2023   *Remote*

Achievements/Tasks
- Created an end to end ETL pipeline on Azure Databricks to enable seamless integration of data.
- Used Python to pre-process large CSV and text files and then visualize the trends in the data.
- Created a PowerBI dashboard for sales data coming from multiple sources including static CSV files and a Postgres server.

Director Web & IT
TechLancerr Summit 2023
10/2023 - 12/2023   *Bahawalpur*

Achievements/Tasks
- Created and hosted the website of the summit
- Pitched multiple brands for sponsorship
- Created forms for sponsors, guests & attendees of the summit

SKILLS

JavaScript · Python · MERN Stack · Nextjs · Java · Tensorflow · Power BI · PostgreSQL · MongoDB · Data Analysis · Data Visualization · Full Stack Web Development · Deep Learning · Machine Learning

PERSONAL PROJECTS

LipsLove : An e-commerce makeup store built in MERN stack (10/2023 - 10/2024)
- Built REST APIs in Expressjs. Created schemas for user details, products and user orders. Implemented middlewares for user authentication and authorization through JWT Tokens. Downloaded makeup data from a publicly available API and saved it in MongoDB.
- Created functionality for sessions using HTTP cookies and Encryption with Bcryptjs.
- Built the frontend with Nextjs 14 and blended routing with pagination for products.
- Used Lazy Loading, Server Side Rendering and Memoization to serve products seamlessly and used static Site Generation for Home,Contacts and other static pages to optimize the performance of the website.

COVID 19 Vaccine Effectiveness by Age Group (03/2023 - 05/2023)
- Analyzed the effectiveness of COVID vaccine on 8 different age groups from the data by the US Center for Disease Control and Prevention. Trained 5 classification machine learning models to check whether the the vaccine developed immunity in 100k people from an age group or not.

CERTIFICATES

Applied Data Science With Python Specialization -- Coursera (01/2023 - 06/2023)

Introduction to Agile Development & Scrum, DevOps, Cloud Computing, Containers with Docker & Kubernetes, CI/CD and Microservices & Serverless Development -- Coursera (11/2022 - 03/2023)