


MUHAMMAD ABUZAR

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Final Year Software Engineering Student, seeking entry level roles in Web Development & Data Sciences

EDUCATION

Islamia University of Bahawalpur, BS in Software Engineering

CGPA: 3.57 / 4.0

May 2024

Conferences: TechLancerr Summit and Expo'23 | Served as the Director of Web & IT | Tech Nation Digital Conference'22 | Volunteered as a recruiter and interviewer

Courses: OOP | Data Structures and Algorithms | Operating Systems | Artificial Intelligence | Design Patterns

EXPERIENCE

Bytewise Limited, Front-end Engineering Intern | Remote

Sep 2022 - Dec 2022

- Created an 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.
- Learned responsive web design in depth and built sites with mobile-first design approach.
- Divided my code repository into production and development branches for better version control and CI/CD.

Bytewise Limited, Data Engineering Intern | Remote

Mar 2023 - Jul 2023

- 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.

Google Developer Student Club, Web Development Lead

Sep 2023 - May 2024

- Organized multiple tech events, hackathons and workshops. Helped and mentored students across the campus to break into tech with proper guidelines, roadmaps and resources shared through a Students Resource Hub Repository.

Tech-Lancerr Summit 2023, Director Web & IT

Oct 2023 - Dec 2023

- Created the website for the summit, hosted it on a domain and ensured continuous integration & delivery of the changes.
- Created forms for sponsors, guests & attendees of the summit and pitched multiple brands for sponsorship with a proposal.

SKILLS

Languages Python, JavaScript, Java, C++

Libraries & Frameworks Reactjs, Nextjs, Expressjs, Nodejs, Tensorflow, Matplotlib, Scikit Learn, Pandas, Numpy

Certifications Applied Data Science with Python Specialization, Coursera | Certified Data Analyst, Suven Consultants | Introduction to Agile Development, Scrum, DevOps, Cloud Computing, Containers with Docker & Kubernetes, CI/CD, Microservices & Serverless Development, Coursera

PROJECTS

LipsLove : An e-commerce makeup store built in MERN stack

- 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

- 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 vaccine developed immunity in 100k people from an age group or not.