Muhammad Khizar

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Education

Mehran University of Engineering and Technology, Jamshoro.   *Dec 2020 -present*

B.E. Computer Systems Engineering

GPA: 3.72

DBMS Project: Designed and developed a feature-rich Retail Management System, using Python (Django) framework, to automate order processing and inventory management for a local business. Utilized Django's built-in ORM to define models and manage the application's database (PostgreSQL).

Work experience

Freelance Developer   *Aug 2022 - present*

Python and Web Developer

- Successfully completed 10+ projects on Fiverr, developing custom solutions for clients using Python.
- Developed image downloader plugins to fetch product images and descriptions from over 50 online vendors. Integrated this data into a MySQL database and performed ETL operations.
- Assessed clients' projects to identify and solve bugs. Fixed critical bug in "ethereum-etl" project and having the PR merged. Received positive feedback and repeat business from satisfied clients.

Final Year Project Collaboration   *May 2023*

Python Developer

- Collaborated with a team of 3 from another department to create a road condition detection system for their final year project.
- Designed and programmed a Python script using Google Maps API to detect traffic conditions and road disruptions.
- Integrated this data with the road condition data collected by the team's project to create a code that predicts the best possible route. Implemented Twilio API to send route information to users via SMS.

Paksuite Tech   *May 2021 - Aug 2022*

Junior Software Developer

- Actively contributed to the development of ERP Finance, ERP Inventory, Stock Control Systems, primarily utilizing MS Access and VB.
- Collaborated with the team to enhance software functionality. Played an integral role in developing and delivering a professional website for a solar company client, showcasing expertise in web development.

Technical skills

Programming Languages	C++, Java, Swift, JavaFX, JavaScript, TypeScript, Python.
Frameworks and Databases:	Flask, Django, NumPy, Pandas, React, Node.js, MongoDB, Express.js, MySQL, PostgreSQL
Additional Tools:	MS Office Suite, Git, AWS, Linux/Unix, RESTful APIs, Agile/Scrum Methodology

Certifications

Google IT Support Professional Certificate *Jan 2023*
Offered by Google on Coursera
Full-stack Web Developer Bootcamp *Dec 2021*
By Colt Steele on Udemy
Python for Everybody Specialization *Oct 2022*
Offered by University of Michigan on Coursera

Projects

RoomieRoute - (MERN) *Demo*
Interactive Hostel Review Platform

- Developed RoomieRoute, a feature-rich web application that serves as a review platform for hostel rooms and dorm rooms. Users can register, submit room listings, and interact by providing reviews, comments, and ratings.
- Leveraged Node.js and Express for server-side development, enabling efficient handling of user requests and seamless data flow. MongoDB was used as the database to store and retrieve room listings, user information, reviews, and ratings.
- Created a user-friendly interface using Bootstrap, ensuring a responsive design for optimal user experience across devices. Implemented user authentication for secure access to features, empowering users to join, contribute, and engage with the platform.

ScholarSpace - (Django) *Demo*
Interactive Discussions and Knowledge Sharing

- Developed a dynamic web application using Python Django, empowering users to post and share blogs and articles on various topics. Implemented a robust authentication system to ensure secure access and personalized user experiences.
- Leveraged Django's powerful ORM to define data models and efficiently manage database schemas, enabling seamless storage and retrieval of user-generated content, comments, and chat room information.
- Created an engaging user interface that includes the ability to create topic-specific chat rooms, fostering interactive discussions among users with shared interests. The application provides a comprehensive platform for content creation, community engagement, and knowledge sharing.