Romaisa Iqbal

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Summary

Highly motivated and skilled Front-End Developer with UI/UX experience seeking a challenging role at a dynamic organization. Eager to contribute expertise in user interface design and development, while expanding knowledge in AI and deep learning

Education

Ghulam Ishaq Khan Institute of Science & Technology | Topi, KPK
Bachelors of Computer Engineering | 06/2025

Projects

Personal Portfolio Website
Projects Designed and coded a dynamic personal portfolio using HTML, CSS, and JavaScript, with initial design mockups created in Figma. Demonstrated a fusion of creativity and technical proficiency by seamlessly translating Figma designs into a responsive and visually engaging website. The project showcases my expertise in web development and the ability to bridge design concepts with functional code for an optimal user experience.

Resolve Hub - Complaint Portal
Created RESOLVEHUB, a web app streamlining complaint management for students, faculty, and workers. Users log complaints, track progress, and ensure swift resolutions. Utilized HTML, CSS, and JavaScript for the front-end, Python with Flask for dynamic functionality, and PostgreSQL for database management

Tesla Front End Clone
Successfully executed a front-end clone of the Tesla website, leveraging HTML, CSS, and JavaScript to replicate the sleek and responsive user interface. Meticulously designed and implemented the project, ensuring an authentic representation of Tesla's design aesthetics and functionality. A testament to my commitment to mastering web development and delivering polished, user-centric experiences

Multispectral Image Analysis
Executed Principal Component Analysis (PCA) on Multispectral Image of the Thar Desert in Pakistan using Python and Jupyter Lab. Applied dimensionality reduction techniques by centering the data, computing the covariance matrix, and sorting eigenvalues and eigenvectors. Achieved effective data compression for enhanced analysis and interpretation.

Multifunctional Robot
Light Following Robot Designed a versatile robot using Arduino, motors, sensors, and Bluetooth for light-following and remote-controlled functions. Utilized components like LDR modules, L298 Motor Driver, and HC-05 Bluetooth Module. Programmed in C using Arduino IDE, adapting the robot's behavior to light conditions and responding to Bluetooth commands. Technologies included Arduino, C, MIT App Inventor, and Bluetooth communication

University Network Infrastructure
Implemented a university network infrastructure for scalability and security using Cisco routers and switches. Advanced technologies, including a Cisco ASA 5505 firewall, were employed for data traffic efficiency and network reliability. The project involved meticulous planning, testing with Packet Tracer, and a systematic workflow, creating a resilient environment supporting academic, administrative, and research activities securely.

Speech Signal Enhancement
Enhanced speech signal quality by implementing MATLAB-based signal processing techniques. Employed a Butterworth low-pass filter, Short-Time Fourier Transform (STFT), pre-emphasis filter, and Wiener filter to reduce noise and improve speech intelligibility to demonstrate expertise in signal processing for real-world applications

Skills

Web Development: HTML CSS JavaScript Figma (UI/UX design) Flask PostgreSQL -Programming Languages: C C++ Python MATLAB -Network Infrastructure: Cisco Packet Tracer

Experience

Senior Network Administrator at GIKI, NETRONiX

2021 - Present