

Muhammad Waseem

Address: Ali Abad Olding, Skardu, Gilgit-Baltistan, Pakistan

Skype ID: Waseem.mehdee | Cell# +923412236629 | Email: parveewaseem79@gmail.com | Passport: FD6856161

OBJECTIVE:

Creative, ambitious, and motivated individual possessing a strong eagerness to learn and implement best practices in the IT industry to achieve professional growth.

RESEARCH INTEREST:

AI, Computer vision, Data science, Experts System, Reinforcement learning, Deep learning and Future IoT Technologies

FINAL YEAR PROJECT:

Plant Leaf Disease Detection Mobile App

We developed a sophisticated plant leaf disease detection mobile application for the final year project, capable of identifying diseases in 12 types of plant leaves. The application integrated multiple plant leaf disease datasets from open-source communities, which were combined and processed. Employing Tensor-Flow and Keras, a robust CNN model was trained, and its weights were saved for deployment. The app's front-end was built using React Native, while the back-end utilized Django and the Django REST framework for seamless communication between the frontend and the deployed model.

EDUCATION:

Bachelor of Science in Software Engineering

Government College University, (GCUF), Faisalabad Pakistan | www.gcuf.edu.pk (2017-2021)

3.02 CGPA

WORK EXPERIENCE:

1. Front-end Developer

RINOR (NetBots) Skardu (02/2024 – Present)

- Spearheaded frontend development efforts as a React.js specialist.
- Contributed to a comprehensive web-based system, resembling Airbnb, spanning 15 modules.
- Currently focusing on crafting the frontend interface for the supplier module.

2. Software Support Engineer

S-Tech Islamabad Pakistan (02/2023 – 11-2023)

- Provided adept technical support for enterprise-level systems, encompassing network troubleshooting and server-side components.
- Contributed to the optimization of queue management systems, enhancing customer flow and operational efficiency.
- Played a key role in the deployment and management of digital signage solutions, facilitating effective communication within the organization.

SEMESTER PROJECTS:

IPv4 and IPv6 Integration:

Strengthening Enterprise Security Frameworks I have designed a robust Enterprise security architecture comprising 8 servers with static and dynamic routing protocols, namely RIP, EIGRP, and OSPF. The architecture implements enhanced security measures through Telnet, SSH, and MD5 password encryption. Additionally, I developed an automated routing configuration using Python programming, enabling seamless integration of Linux systems with online routers through the GNS 3 software platform.

Smart Mobility: Gesture-Enabled ROBOT Car using Arduino: We present a groundbreaking Arduinobased vehicle system that eliminates the need for manual car control through gesture recognition. By leveraging the Arduino microcontroller, along with an accelerometer, RF sender/receiver, and Bluetooth, we have achieved remarkable results. This project holds tremendous potential, especially in the health domain, and significantly narrows the gap between the physical and digital worlds.

Technical Skills:

- Proficient in functional and OOP programming with a strong foundation from a university education.
- JavaScript expertise, including DOM manipulation, JavaScript object models, and working with React/ReactNative, NextJS, NodeJS, Ember and RESTful APIs.
- Solid command of SQL queries, network troubleshooting, and configuring routers, switches, firewalls, TCP/ IP, and routing protocols (OSPF, EIGRP, RIP).
- Knowledgeable in NAT, ACL, VLANs, FHRPs, EtherTrunk, stacking, and Spanning Tree Protocol (STP) and IoT protocols (MQTT, CoAP, HTTP), IoT device management, and integration of IoT devices into wireless networks.
- Experienced in Git/GitHub for version control and collaboration.

HONOR AND AWARDS:

- Awarded a prestigious laptop in 2018 through the esteemed Prime Minister Laptop Scheme at Government College University Faisalabad (GCUF), solely based on academic merit.
- Distinguished as a recipient of the esteemed PEEF (Punjab Educational Endowment Fund) scholarship, which supported the successful completion of my Bachelor's degree.
- Honored as a Marafiepak.org scholarship recipient for a duration of two years, reflecting my dedication to excellence in education and recognition of my exceptional potential

REFERENCES:

Dr. Muhammad Awais

Assistant Professor and Coordinator,

Head of Department

Department of Software Engineering

Government College University, Faisalabad Pakistan

Email : muhammadawais@gcu.edu.pk

Phone (+92) 3361161635