

SHAIK MOHAMMED SUHAIL

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SKILLS

Proficient in RIP, OSPF, BGP, and switching protocols.

Python, Pandas, NumPy, Java, Bottle, Javascript, Django, R, Matlab, Docker, Bash commands and Github.

Demonstrated expertise in VLANs, VPNs, and authentication for secure network management.

CERTIFICATION

Cisco Certified Network Associate (CCNA).

ISO QMS Auditor Certification.

EDUCATION

M.Sc: Engineering Science Focus on Internet of Things, University at Buffalo, The State University of New York, January 2024

Pursuing independent study under Dr. Zhangyu Guan for Union Labs and UB WINGS Lab.

Developed NoVNC server to remotely access LAN workstations with 10% faster deployment time using bash script and Ansible, resulting in streamlined EC2 instance configuration.

M.Sc: Network Management and Cloud Computing, Middlesex University Dubai, June 2022

Conducted research work for comparing performance between different Big Data processing systems (Apache Drill, Apache Spark with YARN).

B.Tech: Electronics and Communication Engineering, Jawaharlal Nehru Technological University, October 2020

Engineered Home Automation System with Arduino, was 25% cheaper than other similar products.

RELEVANT COURSEWORK

Big Data Analytics, Enterprise Network Troubleshooting, Data Structures, Artificial Neural Networks, Cybersecurity.

EXPERIENCE

IT Commissioner, Black Arrow Qatar, Doha, Qatar: March 2022 - August 2022

- Commissioned and configured a variety of enterprise-grade routers and switches, such as Cisco, Juniper, and HP devices.
- Enhanced network security by 30% through implementation of advanced security features and policies.
- Optimized device configurations and applied best practices to improve network performance, resulting in a 20% increase in efficiency.
- Collaborated with project managers to configure and deploy a range of network devices, such as routers, switches, firewalls, and load balancers, resulting in a 10% improvement in project efficiency.
- Improved network reliability 15% through proactive monitoring, maintenance, troubleshooting and knowledge transfer to technical teams and end-users.
- Represented company at vendor events, staying updated on technology trends.
- Identified cost-saving opportunities and designed network infrastructure resulting in 10% project cost reduction.

INTERNSHIP EXPERIENCE

Trainee, KeyGroups IT Solutions, Hyderabad, India: February 2021 - March 2021

- Guided trainees to optimize configurations and designs for industrial routers and switches.

Trainee, Embedded Systems- ECIL, Hyderabad, India: May 2018 - May 2018

- Developed motion-activated street light system for 25% energy savings.

PROJECTS

CPU and RAM Web Monitor: Python, Javascript, HTML

- Developed Python and JavaScript-based tool to monitor server resource usage accessible through web browser.
- Achieved 20% reduction in CPU utilization compared to similar programs due to program being efficient.

Comparison of Apache Spark in different environments (Research Work): Python, Pyspark, Ansible(YAML)

- Conducted performance analysis on Big Data frameworks: Apache Drill and Pyspark. Achieved 70% accuracy in pneumonia detection utilizing Inception v3 with Pyspark.
- Provided optimal solutions by comparing processing times in Spark SQL and Apache Drill.
- Reduced deployment time by 40% making use of Ansible for Virtual Machine configurations.

Study Buddy: Android Studio, Java, XML

- Designed an Android App, uses magnetometer to reduce Bluetooth pairing time by 30% to connect AirPods.
- Incorporated a clock only mode (displays only time) when phone is rotated, it is detected by Gyroscope sensor present in the phone.