Shouzab Khan

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EDUCATION

University of Alabama at Birmingham   **Jan 2023 - Dec 2024**
Master Cyber Security

National University of Computer and Emerging Sciences   **Aug 2017 - Feb 2022**
Bachelor of Computer Science

EXPERIENCE

University of Alabama at Birmingham   **May 2023 - Sep 2023**

Completed Master's degree in Cyber Security from the University of Alabama at Birmingham, demonstrating academic excellence and a commitment to Networking and Security.

Networking Teacher Assistant

• Collaborated with lead teachers to plan and execute lesson plans, ensuring alignment with curriculum standards.
• Provided individual and small group support to students, reinforcing learning objectives and facilitating academic progress.
• Assisted in the development of educational materials, to support diverse learning styles.
• Managed classroom logistics, maintained accurate records.
• Worked on different tools like Cisco Packet Tracer and learned more alot about networking, connecting different networks, connecting different computers with each other either they are on same networking or different network, Communicating two or more then two computers with each other out of their servers.

Systems Limited   **July 2022 - Dec 2022**

Experienced professional in the IT industry, adept at leveraging cutting-edge technologies and contributing to the success of projects, with a background in Cloud and infrastructure, previously associated with Systems Limited.

Cloud and infrastructure L1 support (Sep 2022 - Dec 2022)

• Provided Level 1 (L1) support for Cloud Infrastructure at Systems Limited.
• Conducted in-depth troubleshooting and technical issue resolution.
• Collaborated with cross-functional teams to ensure optimal performance and reliability of cloud-based systems.
• Contributed to the success of projects by addressing technical challenges.
• Worked on different tools like ServiceNow, Jira Service Desk for ticketing purposes. Microsoft teams for communications. AWS inspector for security. Wireshark for networking and AWS Cloudwatch for Monitoring and Logging.

Cloud and infrastructure Intern (July 2022 - Sep 2022)

• Assisted in the deployment and maintenance of cloud infrastructure services, gaining hands-on experience with platforms such as AWS and Azure.
• Supported the configuration and optimization of virtual machines, storage solutions, and networking components within a cloud environment.
• Collaborated with senior team members to implement security best practices and ensure compliance with industry standards in cloud configurations.
• Participated in cloud resource optimization efforts to manage costs effectively.
• Worked closely with cross-functional teams to understand business requirements and provided support for cloud solutions aligned with organizational goals.

SoftStack Technologies   **Dec 2021 - June 2022**

Thrived in a dynamic startup environment, taking initiative, collaborating cross-functionally, and contributing to measurable growth through versatile roles and impactful projects.

Junior Developer

• Code, test, and debug software applications using python.
• Collaborate with senior developers, project managers, and team members to understand project requirements and contribute to development efforts.
• Continuously learn and enhance technical skills, staying abreast of industry trends and best practices.

ACADEMIC PROJECTS

Uncovering CryptoCurrency Scams
Dec 2023

- Conducted an in-depth project on uncovering cryptocurrency scams in the computer forensics class, showcasing proficiency in blockchain technology, cryptocurrency forensics tools, and data analysis techniques. Applied investigative skills to trace suspicious transactions, presented findings through comprehensive reports, and stayed current on evolving security risks and regulatory standards in the cryptocurrency landscape. Checked Thousands of scam websites, urls, emails, text messages, calls and much more.

Socket Programming
March 2023

- Designed and implemented a socket programming project for a networking class, demonstrating proficiency in TCP/IP communication, client-server architecture, remote communication between a student and robot using Python Language.

Breaking The Captcha
April 2023

- Conducted an experiment for breaking the captcha, downloaded hundred of images for training purposes. I trained hundred of Captcha images on my model. For training purposes I used Deep Convolutional Neural Networks. Each Letter in the images was treated as a single image for the neural network. Identifying Single Letter was more easier than whole image. The accuracy for this was around 97 percent.

Water Pollution Detection Through Hyperspectral Images
Dec 2021

- Led a final year project focused on water pollution detection through hyperspectral images, utilizing advanced image processing techniques, machine learning algorithms (implemented with TensorFlow), and environmental monitoring principles to analyze and visualize pollution patterns. Project involved mapping or spatial analysis, mention any experience with GIS tools or software.

Network Monitoring System
Jan 2021

- Developed a comprehensive Network Monitoring System as part of the computer networks class, showcasing proficiency in network protocols, monitoring tools (such as Wireshark), packet analysis, traffic management, and security monitoring. Implemented automated alerting systems and user-friendly dashboards for efficient network administration.

Mobile Phone Directory
Aug 2020

- Developed a Mobile Directory System as part of the data structure class, showcasing proficiency in database management, data structures, algorithm design, UI development, and Python language. Implemented robust error handling, efficient memory management, and thorough testing procedures for optimal system performance.

SKILLS & CERTIFICATIONS

- **Certifications:** AWS Certified Cloud Practitioner.

- **Research Paper:** Iqabal, M., Shafiq, M. U., Khan, S., Ullah, O., Ali, Y., & Ullah, Z. (2024). Efficient Resource Utilization through Multi-Queue Adaptive Priority Scheduling in real-time systems. MDPI.

- **Technical Skills:** IDS, VPN, Network monitoring and packet analysis, Docker, Kubernetes, Jenkins, Security configurations for Windows, Penetration testing methodologies, Digital forensics tools and techniques, Detection and Incident response procedures and tools, Cryptography, Identity and Access Management (IAM), Cloud Security, URLSCAN, Hackertarget, Phishing Tools, Threat Hunting, Computer Forensics, LightWeight Directory Access Protocol, Amazon Web Services, Software Engineering, Linux Command Line, EC2, Lambda, S3, DynamoDB, SQS.

- **Language Skills:** Python, C++

EXTRA-CURRICULAR ACTIVITIES

Golden Key International Honour Society
Aug 2023
General Member

- In this organization we help student to find their career path, help them with their job interviews, help them to excel in their studies and courses. We also help them in career counseling. We invite different speakers across the states for talk on different topics related to emerging technologies.