

KHURSAID ANSARI (He/Him/His)

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PROFESSIONAL SUMMARY

Dedicated Cybersecurity student with a strong foundation in computer engineering and practical experience in software testing. Skilled in developing and maintaining automation scripts, with a growing expertise in network security, ethical hacking, and cyber defence strategies. Currently pursuing a Master’s in Cybersecurity while contributing to international student services. Committed to leveraging technical skills and cross-cultural experiences to drive in cybersecurity practices and software quality assurance.

EDUCATION

University of Central Missouri Warrensburg, MO, USA
Master of Science in Cybersecurity & Information Assurance May 2024 – Present

- Relevant Coursework: Advanced Computer Networking & Security, Threat Intelligence and Incident Response, Information Assurance

Pokhara University Pokhara, Kaski, Nepal
Bachelor of Computer Engineering September 2017 - August 2022
Cumulative GPA: **3.67/4.0**

- Relevant Coursework: Data Structures & Algorithms, Computer Networks, Artificial Intelligence, Data Mining, Cloud Computing, Information System

WORK EXPERIENCE

University of Central Missouri Warrensburg, MO, USA
Student Worker September 2024 - Present

- Provide administrative support for visa documentation and immigration compliance, ensuring data security and privacy.
- Collaborate with diverse teams to create a welcoming environment for students from various cultural backgrounds, promoting inclusive cybersecurity practices.
- Assist in organizing cybersecurity awareness programs for international students, enhancing digital safety understanding on campus.

SysQube Technology Pvt. Ltd. Kathmandu, Nepal
Software Development Engineer in Test November 2022 - February 2024

- Developed and maintained automation scripts using Selenium and Robot Framework, integrating security testing practices to identify vulnerabilities.
- Utilized Python scripting to enhance automation framework efficiency, increasing test coverage with a focus on security testing.
- Collaborated with cross-functional teams to ensure smooth coordination between development, testing, and security phases, reducing project delivery time.
- Implemented and managed test cases using Jira, improving team productivity and ensuring timely delivery of secure software solutions.
- Conducted security assessments and penetration testing, identifying and resolving critical security issues before production deployment.

PROJECTS

CyberAssist

Summer 2024

- Developed a comprehensive cybersecurity assistance tool using Python, designed to enhance digital security practices.
- Leveraged libraries such as Scapy for network operations and pycryptodome for cryptographic functions.
- Implemented a user-friendly interface for easy interaction with the tool's various models.
- Key features include Password Strength Checker, Network Scanner, System Information Gather, etc.
- Demonstrated proficiency in network programming, cryptography, and system-level operations in Python.

Subsnap

Summer 2024

- Created an advanced subdomain enumeration and analysis tool to aid in cybersecurity assessments.
- Designed with modularity in mind, allowing for easy integration of additional data sources and analysis techniques.
- Optimized in performance, capable of handling large-scale subdomain enumeration tasks efficiently.
- Utilized multiple techniques including brute force, certificate parsing, and web scraping
- Integrated port scanning capabilities to identify open ports on valid subdomains.

AI-Based Object Detection & Intelligence Chatbot

Spring 2022

- Designed and implemented a object detection system using machine learning algorithms and static analysis techniques.
- Achieved 93% accuracy in identifying the objects.
- Integrated the system with existing surveillance systems for enhanced protection.

Secure IoT Communication Protocol

Spring 2020

- Developed a lightweight encryption protocol for IoT devices using C programming language.
- Implemented secure key exchange and data transmission methods suitable for resource-constrained devices.
- Conducted vulnerability assessments to ensure the protocol's resilience against common attacks.

Secure Inventory Management System

Spring 2018

- Created a web-based inventory management solution using Django framework and Python.
- Implemented robust security features including input validation, encryption, and access control.
- Conducted penetration testing to identify and mitigate potential vulnerabilities.

SKILLS & INTERESTS

- **Technical Skills:** Python, C, SQL, Selenium, Robot Framework, Git, Linux, Network Security, Wireshark, Web Security, Penetration Testing, Vulnerability Assessment, Secure Coding Practices, Cryptography, Digital Forensics
- **Soft Skills:** Problem-solving, Analytical Thinking, Team Collaboration, Cross-cultural Communication
- **Attention to Detail:** Meticulous approach to work, ensuring accuracy in safety and security checks.
- **Communication:** Strong verbal and written communication skills.
- **Interpersonal Skills:** Friendly demeanour with a positive attitude and strong work ethic.
- **Adaptability:** Quick learner, comfortable with various tasks including public engagement and office duties.
- **Interests:** Cyber Threat Intelligence, IoT Security, Blockchain Technology, Artificial Intelligence in Cybersecurity
- **Certifications:** Google Cybersecurity Professional Certificate, CompTIA Security+ (In Progress), Certified Ethical Hacking (CEH) (Planning to pursue)