

Abdusemed Ismail

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OBJECTIVE

Seeking a summer internship in cyber security that builds on my academic coursework in network security and cybersecurity frameworks and my technical and problem-solving skills while I contribute to the success of your organization.

EDUCATION

University of Minnesota—Twin Cities; Minneapolis, MN

Graduation Expected Spring 2025

Bachelor of Arts: Computer Science and Math

Courses Include: Data Structures, Algorithms, Discrete Math, Machine Architecture and Organization, Advanced Programming Principles

PROFESSIONAL EXPERIENCE

SECURITA, Golden Valley, MN

May 2022—Aug 2022

Security Intern

- Assisted junior analysts during security assessments and vulnerability scans of client networks and applications.
- Collaborated with the team to analyze security logs, helping to detect and respond to potential threats.
- Participated in the development and implementation of security procedures to enhance the organization's overall security posture.

Bridges, Richfield, MN

Dec 2021—May 2022

Caregiver

- Engaged clients in meaningful activities and companionship to enhance their quality of life.
- Monitored and recorded vital signs, medication schedules, and any changes in clients' conditions.
- Assisted with activities of daily living, including bathing, grooming, dressing, and meal preparation.

ADDITIONAL EXPERIENCE

University of Minnesota—Twin Cities; Minneapolis, MN

Jan 2023—May 2023

Teaching Assistant, Calculus 01

- Collaborated with fellow group leaders to develop effective teaching strategies and study resources.
- Organized and led weekly study group sessions for mathematics students, facilitating collaborative learning.

PERSONAL PROJECTS

Web Application Security Assessment Tool

I developed a user-friendly web application security assessment tool using Python. The tool efficiently scanned web applications for vulnerabilities like SQL injection, cross-site scripting (XSS), and CSRF attacks. Its interface allowed users to input target URLs and the tool simulated attacks to pinpoint weak points. I ensured secure coding practices to maintain the tool's integrity. By leveraging networking concepts, I captured and analyzed network traffic to generate comprehensive reports detailing identified vulnerabilities, their severity, and recommended actions.

Network Intrusion Detection System (NIDS)

I built a Network Intrusion Detection System (NIDS) using a combination of Python and C++. The NIDS effectively monitored network traffic for suspicious activities, combining understanding of intrusion techniques with machine learning. This integration allowed the system to recognize patterns associated with known attacks and adapt to new threats, enhancing its anomaly detection capabilities. The NIDS's logging and alert system provided real-time insights to administrators, empowering them to respond swiftly to potential security breaches. These projects demonstrated my technical skills and also showcased my dedication to improving cybersecurity through innovative solutions.

SKILLS & INTERESTS

Computer Skills:

- Proficient in Java and Python programming languages
- Familiar with cybersecurity tools Wireshark, Nmap, and Metasploit for network analysis and penetration testing
- Competent in using virtualization platforms like VirtualBox for setting up secure testing environments

Interpersonal Skills:

- Excellent problem-solving skills and critical thinking abilities
- Effective communicator able to present technical concepts to both technical and non-technical audiences
- Strong team player, collaborating effectively in group projects to achieve common goals

Languages:

- Fluent in English and Somali