Muhammad Ahmed

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EDUCATION

University of South Florida, Tampa, FL — **Dec 2025**
Bachelor of Science in Cyber Security — **GPA: 3.51**
Relevant Coursework: Penetration Testing, Database Design, Capture the Flag, Data Structures, Security Policies

EXPERIENCE

Solar SME, IT Specialist Intern — May 2023 - Aug 2023

● Managed **54 user accounts**, email systems, and provided technical support across multiple platforms (**RingCentral, HubSpot, Google Workspace**). Developed and maintained secure local networks, ensuring privacy and security of systems, while setting up and maintaining computer systems and peripherals.

● Performed **troubleshooting** and provided **user guidance** for hardware and software issues. Managed **data backups** and maintained comprehensive records of all PCs, devices, and user passwords, ensuring seamless operation and data integrity.

● Researched government solar farm projects, including cost estimation and legal compliance. Collaborated with power companies (Dominion Energy, Georgia Power, PEPCO, Duke Energy) and negotiated land purchases across 9 states. Represented the company in project bids and coordinated with vendors (Enphase etc.) for **material procurement**.

● Contributed to securing a **million-dollar solar project in Georgia** by negotiating optimal land purchases and achieving up to **30% cost savings** on materials through **strategic vendor negotiations**, **ensuring legal compliance** and **successful project execution.**

University of South Florida, Teaching Assistant — Sept 2023 - Present

● Supported **375 students** in **Python**, **Sql** and **Foundation of Cybersecurity**.

● Enhancing problem solving skills and boosting average test scores by 15%.

● Led discussions sections and provided real time troubleshooting, improving class engagement by **30%**.

SKILLS

Programming Languages	C, JavaScript, Python, Arduino IDE
Web Technologies	React, HTML5, CSS3, NodeJS, jQuery
Databases	SQL, MySQL/MariaDB
Technologies/Tools	GitHub, AWS, Visual Studio, Python IDLE, Notepad++, Pandas, Numpy, Turtle, Power BI, Colabs, GitLab
Security Tools	Kali Linux, VM ware, Wireshark, NMAP, HTTrack, Tar, PUTTY, FCIV, DUMPIt, Volatility, ncat, Snort, Power Shell, Scroopy NG, STIX, TAXII, KIPPO SSH Honeypot, Mire attack framework, burp suite, Net Sparker, Virtual Box, Sonar Qube
Skills	Front-end, Back-end, Full-Stack, Agile, Web Performance Optimization, Microservices, Threat Modelling, ethical hacking techniques, OWASP Top 10 practices, Hack the Box

PROJECTS

Web Application Firewall Implementation

● Implemented **Cloudflare** as a **DDOS** and **DOS** Protection tool over sample Website

● Applied **DDOS** and **DOS** Attacks using **GoBuster** to check Cloudflare efficacy with respect to Rate Limiting and Blocking

● Applied Malicious Payloads and Different **SQL Injection** Techniques to Bypass Cloudflare

Vulnerability Assessment and Penetration Testing

● Applied **SQL Injection**, **Broken Access Control**, **Broken Authentication Exploits** over Website to check the resistance of the website.

● Performs **Dynamic Application Security Testing** (DAST) using **Netsparker** as automated tool

Secure Source Code Review

● Perform Manual Source Code review as well as Automated Source Code review with the help of **Sonar Qube**.

● Performs Static Application Security Testing using Source Code review tool along with **Jadx** and **GenyMotion** for reverse engineering.

Keylogger Implementation

● Designed and implemented a **keylogger** tool for monitoring user activity to enhance cybersecurity measures

● Integrated **keylogger** functionalities into existing security frameworks, enhancing the ability to track and respond to potential al threats in real time

CERTIFICATIONS AND AWARDS

● **USF Green and Gold Presidential Scholarship**

● **AWS Certified Cloud Practitioner.**