TAMANIA CHOUDHURY
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SUMMARY
Recent graduate with a Bachelor's in Information Technology and a Master's in Computer Science, with a passion for network engineering and cybersecurity. Seeking to use technical and problem-solving skills to contribute to the success of the company.

EDUCATION
Fairleigh Dickinson University, Teaneck, NJ
M.S., Computer Science, May 2024
B.S., Information Technology (Minor in Computer Forensics), May 2023
Relevant Coursework: Penetration Testing, Information Security, Linux System Administration

WORK EXPERIENCE
SERV Clifton Community Behavioral Health Center, Clifton NJ
Receptionist, July 2025-present
- Provide clerical support, including typing, filing, copying, handling office equipment, managing telephones, data inputting, chart audits, and processing purchase orders, office supplies, phone bills, clients' checks, and mail.
- Assist office staff with clerical and computer support; perform additional tasks as assigned by the supervisor.

FDU Fitness Center, Teaneck, NJ
Front Desk, May 2023-May 2024
- Efficiently managed opening and closing procedures, utilizing keys provided by the manager, ensuring a secure and reliable start and finish each day.
- Maintained a clean and orderliness of the facility through hourly walks, and monitored equipment functionality, showcasing meticulous attention to detail and dedication to member satisfaction.
- Provided excellent customer service by assisting members, taking calls, offering equipment guidance, and overseeing equipment lending processes, contributing to a positive gym experience.
- Provided minor tech support, periodically assisting with front desk PC issues and the facility's television issues.

INTERNSHIPS
NSTEM Public Relations & Research Intern, June 2022-Sept 2022
- Conducted research on podcasts, shows, publications, and organizations/topics weekly.
- Assumed the leadership role of team leader for the Public Relations Research Team within 2 months.
- Facilitated outreach efforts by identifying key contacts for media-related events.

ACADEMIC PROJECTS
IT Capstone Project, Mar 2023-May 2023
- Led an analysis of personal Spotify streaming data, employing data visualization techniques using Tableau and Python.
- Acquired the data, cleaned it of null values, and organized it using Python to ensure accurate and efficient analysis.
- Utilized algorithms to derive actionable insights and trends from the streaming data, translating these findings into visually compelling representations, such as heatmaps and bubble charts.

Comprehensive Analysis and Solution Proposal for Amazon Website, Mar 2023-May 2023
- Conducted an analysis about Amazon website, and its functionalities, limitations, and user interactions.
- Developed a detailed report that includes a context diagram, process model (use case diagram for critical processes), data model (represented through class diagram), object behavior model (demonstrated via sequence diagram) and crafted a prototype website with proposed solutions.
- Explored concepts of IT Management and SDLC.

Contact Application, Oct 2023-Dec 2023
- Developed a mobile application for creating/adding, deleting, editing, contacts on a smartphone using Java language.
- Using SQL queries, set up a database of contact information, including some predefined names, and ensure any subsequent changes are saved.
- Explored concepts of database management.

Cybersecurity TCP Protocol Attacks, Feb 2024– Mar 2024
- Designed and implemented virtualized network environment using VMware, consisting of three virtual machines – Attacker, Server, and Router – to simulate real-world network scenarios.
- Executed TCP SYN Flood attack and TCP Reset attack, demonstrating proficiency in offensive network security techniques, and verified attack traffic on the Server using Wireshark, Linux and Metasploit.
- Orchestrated a TCP Session Hijacking attack involving four virtual machines – Attacker, Server, Router and Client – showcasing expertise in infiltrating and manipulating ongoing TCP connections.
- Developed comprehensive documentation, including source code with detailed comments, operational instructions, troubleshooting solutions and weekly progress reports with evidence, ensuring clarity and transparency in project execution and management.

Risk Management Framework Project, Feb 2024-Apr 2024
- Conducted a comprehensive research project on the NIST Risk Management Framework (RMF), culminating in a detailed presentation that outlines key findings, methodologies, and practical applications to be presented.

CERTIFICATIONS (see LinkedIn)
ISC2 Candidate Badge, June 2024
ISC2 Certificate of Completion Domain 1: Security Principles, July 2024
ISC2 Certificate of Completion Domain 2: Incident Response, Business Continuity and Disaster Recovery Concepts, July 2024
ISC2 Certificate of Completion Domain 3: Access Control Concepts, July 2024
ISC2 Certificate of Completion Domain 4: Network Security, July 2024

SKILLS
Technical: Microsoft Office Suite; Programming Languages (Java, Python, C, C++, R, HTML, CSS, XML, JavaScript [ASP.net]); Linux/Kali Linux/Wireshark; Adobe Suite; Data Visualization(Tableau, Power BI & Excel), Cloud Computing (AWS EC2, Redhat); Database Management (SQL, PHP, Hadoop, R), Cybersecurity: PowerShell, OWASP, Knowledge of TCP/IP, Burp Suite, Metasploit, OSI, CLI, Solarwinds
Language: English