IMAD ALI SYED

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Cybersecurity graduate student specializing in Security Operations, threat detection, and network traffic analysis. Experienced in SIEM-based monitoring (Splunk), penetration testing, and offensive security using Kali Linux, Wireshark, and Nmap. Built AI-driven intrusion detection and phishing detection systems using Python for large-scale datasets. Strong problem-solving skills with the ability to communicate complex security concepts effectively.

TECHNICAL SKILLS

- **Skillset:** Security Operations, Threat Analysis, Penetration Testing, OWASP Top 10, Security Automation, Scripting
- **Security Tools:** Wireshark, Metasploit, Splunk, Burp Suite, Nmap, Cisco Packet Tracer
- **Programming:** Python, SQL, C/C++, Rust, Bash, PowerShell
- **Operating Systems:** Office 365, Windows Server, Ubuntu, Kali Linux, MacOS

WORK EXPERIENCE

City College of New York **August 2026 – Present**
Adjunct Lecturer, Grove School of Engineering *New York, USA*
- Teach ENGR 10200 (A Data Science and Statistical Approach to Programming), covering Python programming, data analysis, and statistical reasoning for engineering students
- Develop lectures, coding assignments, and assessments; hold office hours and mentor students through hands-on programming projects

NYSTEC **August 2026 – Present**
Intern *New York, USA*
- Support technology consulting engagements, assisting with research, documentation, and analysis for client projects
- Collaborate with cross-functional teams on cybersecurity and IT initiatives, contributing to reports and technical deliverables

CCNY Cybersecurity Club **August 2026 – Present**
President *New York, USA*
- Lead club operations and planning, with hackathons and industry speaker events scheduled for the academic year
- Coordinate the executive board, grow membership, and build a pipeline of hands-on cybersecurity workshops and CTF practice sessions

LaGuardia Community College (CUNY) **September 2025 – Present**
Adjunct Lecturer, Cybersecurity Department *New York, USA*
- Teach MAC293 (Computer Repair and Network Maintenance Lab), MAC246 (Advanced Network Security), and MAC247 (Advanced System Security)
- Designed and deployed 5+ multi-VM cybersecurity lab environments using Kali Linux to simulate enterprise-style network attacks and configurations
- Conducted packet-level traffic analysis using Wireshark and Nmap across multiple simulated network environments, identifying protocol behavior and anomalies
- Built and demonstrated DHCP and routing-based network scenarios, exposing misconfigurations and potential attack surfaces
- Delivered hands-on cybersecurity instruction and guided students through complex attack simulations, demonstrating strong communication and interpersonal skills
- Guided use of offensive security tools (Metasploit, Hydra) for controlled vulnerability testing

City College of New York **March 2025 – May 2025**
Web Developer, Cybersecurity Department *New York, USA*
- Developed and maintained 10+ secure web pages, improving usability and reducing vulnerability exposure
- Applied secure design principles to enhance application reliability
- Optimized front-end performance and improved responsiveness across devices, enhancing user experience
- Implemented secure coding practices aligned with OWASP Top 10 to reduce common vulnerabilities

PROJECTS

AI-Based Ransomware Intrusion Detection System (Capstone Research Project)
- Built pipelines using Python, Pandas, and Scikit-learn for high-volume data analysis
- Implemented ML models to enable near real-time threat detection workflows
- Created monitoring dashboards to analyze alerts and improve visibility into ransomware detection patterns

Phishing Email Detection System (CEAS_08 Dataset)
- Developed ML pipeline processing thousands of emails using NLTK and TF-IDF
- Built hybrid detection system combining rule-based and ML approaches
- Designed automated workflow for repeatable detection outputs

Secure ATM System
- Engineered secure system aligned with OWASP Top 10 and CWE frameworks using Rust programming language
- Performed adversarial testing including backdoor injection analysis
- Identified and mitigated vulnerabilities through secure design and code level protections

Enterprise Network Design & Traffic Analysis
- Designed a 7-router enterprise network in Cisco Packet Tracer, simulating real-world routing
- Analyzed RIP v2 and OSPF for convergence, efficiency, and fault tolerance
- Conducted traffic analysis and troubleshooting using CLI tools, fixing misconfigurations and improving performance

EDUCATION

City College of New York, CUNY **Expected Dec 2026**
Master of Science in Cybersecurity *New York, USA*
Osmania University **June 2024**
Bachelor of Engineering in Information Technology *Hyderabad, India*

HONORS & COMPETITIONS

- **Most Valuable Teammate**, NCAE Cyber Games 2026
- **Finalist**, CSAW Hack3D 2025, NYU Tandon School of Engineering
- **Competitor**, Cyber Career Challenge 2025, California State University, San Bernardino