

Suchir Vangaveeti

Arlington, VA 22201 | +1 (571) 709-2161
vangaveeti.v@northeastern.edu | LinkedIn: Suchir Vangaveeti | suchir.me

EDUCATION

Northeastern University Khoury College of Computer Sciences Master of Science, Cybersecurity	Arlington, VA 2025 - 2027
Birla Institute of Technology and Science (BITS), Pilani Bachelor of Engineering, Computer Science	Dubai, UAE Sep 2020 - July 2024

TECHNICAL SKILLS

Programming & Scripting: Python, Java, SQL, JavaScript, C/C++, Bash, HTML/CSS
Security & Cloud: Active Directory, Azure IAM, Microsoft Intune, ISO 27001, NIST CSF, MITRE ATT&CK, Honeytoken Design, Network Scanning, MFA
Platforms & Tools: ServiceNOW, Cisco Meraki, Avaya, Wireshark, Nmap, Git, Docker, Linux

WORK EXPERIENCE

Northeastern University, Khoury College of Computer Sciences <i>Graduate Teaching Assistant</i>	Arlington, VA Jan 2026 - Apr 2026
<ul style="list-style-type: none">Led assignment instruction for CY 5001 (Cybersecurity - Technologies, Threats, and Defenses), guiding students through practical exercises and grading all coursework including quizzes, assignments, and research papers.	
Lucy Electric (UK-based MNC) <i>Information Systems Intern</i>	Dubai, UAE Jan 2024 - June 2025
<ul style="list-style-type: none">Supported ISO 27001 compliance and SIRA-compliant CCTV site surveys; configured Active Directory and Microsoft Intune policies for 200+ endpoints, enforcing device compliance and role-based access controls.Authored Python scripts to detect and resolve Outlook contact duplication, cleansing 2,000+ records to ensure 100% data integrity during enterprise-wide platform transitions.Designed and deployed an automated iPad-based visitor management system, reducing check-in time by 50% and eliminating 100% of manual data-entry errors.	
Missan IT Solution <i>IT Development Intern</i>	Sharjah, UAE June 2022 - August 2022
<ul style="list-style-type: none">Developed a Python-based network scanner to discover and catalogue all connected devices, retrieving key data (IP/MAC addresses, open ports) to automate IT auditing and reduce manual reporting time by 95%.Resolved a critical Avaya communication system bug by developing a diagnostic script, eliminating redundant customer callbacks and enabling accurate tracking for 100% of follow-up inquiries.	

PUBLICATIONS & PROJECTS

Active Defense Framework for EV Charging Infrastructure Using Risk-Based Adaptive Honeytokens ▼ <i>Research Project (Paper in Progress) • Advisor: Dr. Youna Jung, Northeastern University</i>	2025-2026
<ul style="list-style-type: none">Designed a three-stage active defense pipeline (risk scoring, adaptive response, deception & containment) for EV charging stations, targeting reconnaissance, MITM, and coordinated grid attacks on ISO 15118/OCPP flows.Developed a weighted risk-scoring algorithm and adaptive honeytoken system that routed high-risk sessions into an isolated sandbox, achieving zero false-positive sandboxing of legitimate users across 50,000 simulated EV charging sessions.Engineered the framework as a lightweight software agent (<5% CPU overhead) deployable via firmware updates on existing EVSE controllers, eliminating the need for physical hardware retrofitting.	
Multi-Factor Authentication System Using HoneyTokens	Jan 2023 - May 2023
<ul style="list-style-type: none">Engineered a 3-factor authentication system (HoneyTokens, Canvas Fingerprinting, Graphical Passwords) using Node.js and Express.js, achieving 100% detection of unauthorized credential use and 99.1% browser identification accuracy via fingerprintJS.Secured against shoulder-surfing with a recognition-based 4x4 randomized image grid (43,680 combinations) and automated email OTP verification for all unrecognized device logins.	
Adaptive Emergency Response and Dynamic Crowd Navigation for Mobile Robot Using DRL ▼ <i>Journal Paper • Robotics and AI - Frontiers</i>	2025
Crop Disease Detection and Classification Using Transfer Learning and Deep CNNs ▼ <i>Conference Paper • International Conference on Modeling, Simulation & Intelligent Computing (MoSiCom) - IEEE Xplore</i> <i>Additional projects and detailed write-ups available at suchir.me</i>	2023

HONORS & INVOLVEMENT

Founder & Chair, ACM Graduate Student Chapter (Northeastern University, Arlington)	Apr 2026 - Present
<ul style="list-style-type: none">Founded Northeastern's first-ever graduate ACM chapter, building a community around CTF competitions, hackathons, and industry engagement.	
Core Committee Member, IEEE Student Branch (BITS Pilani, Dubai)	Sep 2023 - Aug 2024
<ul style="list-style-type: none">Managed logistics, scheduling, and sponsorship for the 2023 IEEE MoSiCom International Conference.	
Awards & Competitions	
<ul style="list-style-type: none">Outstanding Teaching Assistant/Research Assistant (Northeastern University)	2026
2026	
2026	
2026	
2023	