

Mandip Amgain

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PROFESSIONAL SUMMARY

Cybersecurity-focused IT student at Northeastern University with hands-on experience in vulnerability assessment, Active Directory administration, and secure software development. Strong foundation in Linux systems, networking, and SOC-aligned workflows. Preparing for SOC Analyst (Tier 1) and Security Analyst roles.

TECHNICAL SKILLS

Security Tools: Nmap, Metasploit, OpenVAS, Nessus, Wireshark, Burp Suite
Systems & Ops: Windows Server, Active Directory, Linux (Ubuntu, Kali), Jira, Git, GitHub
Programming: Java (Spring Boot, Swing), Python, Bash, C++, Kotlin, SQL
Core Areas: Vulnerability Assessment, Log Analysis, Incident Triage, Access Control, Networking

SECURITY & PROFESSIONAL PROJECTS

Penetration Testing Lab (ITC 4610)	Jan 2026 – Apr 2026
<ul style="list-style-type: none">Identified network and web vulnerabilities using Nmap and Metasploit to assess organizational risk.Analyzed exploit scripts to identify logic flaws and bypass security controls via Python and Bash.Authored technical remediation reports prioritizing risk severity and mitigation strategies.	
Security Operations Labs (CodePath / Self-Study)	In Progress
<ul style="list-style-type: none">Deployed Windows Server Active Directory with role-based access policies and Group Policy management.Conducted vulnerability scans using OpenVAS and Nessus with CVSS-based prioritization.Practiced incident triage and log analysis aligned with SOC Tier 1 investigative processes.	
IT Project Management Capstone	Expected Summer 2026
<ul style="list-style-type: none">Leading full-stack development using Jira for sprint planning, backlog tracking, and team coordination.Applying SDLC security controls, including access management and deployment validation for live clients.	

SOFTWARE ENGINEERING PROJECTS

Budget Management System (Spring Boot, MySQL)	GitHub
<ul style="list-style-type: none">Engineered a full-stack web application for tracking allocations and transactions with an interactive dashboard.Implemented secure data persistence and relational schema design to ensure financial data integrity.Developed RESTful APIs to manage budget categories and provide real-time spending visualizations.	
Simple Text Editor (Java, Swing)	GitHub
<ul style="list-style-type: none">Developed a lightweight desktop application featuring core file operations (Open, Save) and text editing capabilities.Utilized Java Swing for the GUI, implementing custom formatting and clipboard functionality (Cut, Copy, Paste).Optimized file I/O operations to ensure efficient handling of local text documents.	

EDUCATION & EXPERIENCE

Northeastern University B.S. Information Technology	Expected Aug 2026
Bunker Hill Community College A.S. Computer Science	Graduated 2023
Technical Support Assistant Illinois College Tech Center	3 Months
<ul style="list-style-type: none">Provided classroom IT support, hardware troubleshooting, and presentation system maintenance.	

CERTIFICATIONS

Google IT Support Professional Certificate (Earned 2023) | **CompTIA Security+** (Planned June 2026)
GitHub Foundations / Automation | **CodePath Intermediate Cybersecurity** (In Progress)