

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

- 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

- 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

- 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

- 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

- 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

- 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)