Aminuz Zaman

Woodside, NY | linkedin.com/in/aminuz-zaman | (917) 257-4212 | aminuzzaman19@gmail.com

EDUCATION

New York Institute of Technology   **Manhattan, NY**
Bachelor of Science - Computer Science (Network Security Concentration)   *Expected: May 2026*
- Relevant Coursework: Computer Programming I, Computer Programming II, Data Structures, Digital Logic Design Fundamentals, Computer Organization and Architecture, Probability and Statistics for Computer Science, Theory of Computation

EXPERIENCE

CodePath   **New York, NY**
Cybersecurity Student   *September 2023 - November 2023*
- Exhibited adeptness in encryption and decryption algorithms such as RC4, RSA, MD5, and SHA 256, among others, while advancing expertise in cybersecurity basics.
- Established secure access protocols through the setup of Kali Linux virtual machines on Azure and MacOS, and integration of SSH keys to bolster security measures.
- Deepened comprehension of cybersecurity methodologies by employing password-cracking techniques, leveraging tools like John the Ripper and wordlists to scrutinize hashing algorithms and fortify understanding.
- Developed a comprehensive understanding of DNS exploits by utilizing the Metasploit framework, enhancing understanding of network vulnerabilities and security exploits.

PROJECTS

Password Cracker   *November 2023*
- Utilized John the Ripper software to decrypt password hashes provided in a file, employing targeted keyword lists to enhance the cracking process and successfully retrieve passwords.

Exploits!   *October 2023*
- Implemented a cybersecurity project utilizing Metasploitable and Docker to learn about vulnerabilities and exploit them, gaining hands-on experience in penetration testing and cybersecurity techniques.

ATM SIMULATOR   *April 2023*
- Developed a Java-based ATM simulator program that replicated real-world ATM functionalities and leveraged objected-oriented programming (OOP) concepts such as inheritance, encapsulation, and polymorphism.
- Crafted a comprehensive business analysis report for ATM Simulator, integrating Unified Modeling Language (UML) diagrams, decision tables, and risk management strategies within a spiral software development methodology framework.

SKILLS

TECHNICAL: Java, Python, Linux, Azure, John the Ripper, Metasploit, Metasploitable, Windows OS, MacOS, Microsoft Applications, Google Applications, UML

DESIGN: Canvas, Figma

Practical: Communication, Easy-to-Teach, Quick to Understand, Teamwork

AWARDS & RELEVANT CERTIFICATIONS:

Codecademy - Introduction to Cybersecurity, **TryHackMe** - Introduction to Cybersecurity Learning Path, **CodePath**- Introduction to Cybersecurity, Presidential's Honor List (2023), Dean's Honor List (2024)