

Hinna Zeejah

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EDUCATION

St. John's University – GPA: **3.75** (Honors Program)
Bachelor of Science in Cybersecurity Systems

Queens, NY
May 2026

EXPERIENCE

Google Summer of Code – The HoneyNet Project – Data Scientist, Remote May 2024 – Aug 2024

- Developed an ML-based Web Attack Classification system for the TANNER project, enhancing detection accuracy and efficiency by replacing traditional regex methods with advanced machine learning techniques
- Created and preprocessed a robust dataset, implementing multi-label classification models that achieved a 94% accuracy rate
- Executed data transformations, including label encoding, TF-IDF, and feature extraction, to optimize dataset performance, while designing a comprehensive model pipeline to ensure seamless integration and scalability for future updates

St. John's University Venture & Innovation Center – Security Researcher, Jamaica, NY Jan 2024 – May 2024

- Led security research for the Chipserver project, fortifying SSH and Telnet ports, implementing multi-factor authentication, enhancing system integrity, and improving overall network security to ensure strong protection against cyber threats
- Pioneered the security overhaul from Telnet to SSH, establishing encrypted channels and key-based authentication protocols, which played a pivotal role in the project securing 2nd place and set a new benchmark for server security

Maspeth Federal Savings – Information Technology Intern, Maspeth, NY Jun 2023 – Dec 2023

- Proactively enforced security and compliance requirements across the organization to defend against potential cyber threats, ensuring alignment with industry protocols and best practices to effectively mitigate vulnerabilities and reduce risks
- Delivered prompt alert triage and technical support for users, addressing software, hardware, and network security challenges, ensuring quick resolution to maintain secure, efficient, and productive system configurations
- Assisted in penetration testing and vulnerability management exercises to identify and mitigate potential system weaknesses

NASA L'Space Mission Concept Academy – Risk Management Officer, Remote Jan 2023 – May 2023

- Collaborated with a team of seven to create a mission concept proposal for researching Mars' Polar Layered Deposits
- Assumed a pivotal role in conducting comprehensive risk assessments and vulnerability management for the "Audacity" mission, strategically identifying potential risks and formulating effective mitigation strategies to ensure project success.
- Received mentorship from industry professionals, learning evaluation criteria and strategies for crafting successful proposals

LEADERSHIP & INVOLVEMENT

St. John's University ACM Student Chapter – Information Officer, Jamaica, NY Aug 2024 – Present

- Delivered presentations at weekly events, fostering experiential learning and promoting interest in STEM disciplines
- Facilitated opportunities for members to network with industry experts and gain valuable insights into STEM careers
- Organized hackathons to provide members with hands-on experience, enhance technical skills, and encourage collaboration

St. John's University Cyber Team – Competitor, Jamaica, NY Aug 2023 – Present

- Represented a top 15 national team at the VIVID Cyber Competition finals, competing in Red Team/Blue Team and King of the Hill challenges at the Georgia Cyber Range in Augusta, GA, honing advanced cybersecurity skills and teamwork
- Secured Windows servers and workstations in the Northeast Collegiate Cyber Defense Competition (NECCDC), implementing advanced measures to maintain system integrity and defend against cyber attacks

PROJECTS

Software Engineer - Cards for Mental Health Dec 2024

- Designed and developed a nonprofit website using modern technologies such as Next.js, React, and TypeScript, ensuring optimization for accessibility, responsiveness, and performance with Tailwind CSS and Framer Motion
- Collaborated closely with stakeholders to ensure the website's design, features, and functionality aligned with the organization's mission, delivering a professional, user-friendly experience that effectively communicated the nonprofit's goals

PrepPal - 3rd Place at SJU ACM x Headstarter Hackathon Mar 2024

- Collaborated with a team of four to build a Discord Bot using OpenAI GPT-4, RAG, and web scraping for interview prep
- Utilized HuggingFace embeddings and models like Google Gemma for a more personalized interview guide
- Deployed the discord bot in a server with over 400+ students, and made improvements based on user feedback
- Developed a full stack web application using HTML, CSS, and Python Flask for a more streamlined user experience

TECHNICAL QUALIFICATIONS & ABILITIES

- **Operating Systems/Software:** macOS, Kali Linux, Ubuntu and Windows, VMWare, VirtualBox, AutoCAD
- **Certifications:** CompTIA ITF+ (Jul 2023), CompTIA Security+ (Nov 2023), CySA+ (Expected Apr 2025)
- **Programming Languages:** Python, Java, JavaScript, Next.js, React, TypeScript, Framer Motion
- **Spoken Languages:** English (Native), Urdu (Fluent), Arabic (Reading, Writing)