

Hinna Zeejah

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EDUCATION

St. John's University

Dec 2025

Bachelor of Science in Cybersecurity Systems | **GPA: 3.80/4.00**

- **Honors:** CCPS Honors Society, University Honors Program, 7x Dean's List 2022-25, National Society of Leadership & Success
- **Relevant Coursework:** Intro to Data Structures, Data Security & Cryptography, Database Information Systems, Statistics

EXPERIENCE

U.S. Department of Justice

Detroit, MI

Operations Center Technician

Mar 2026 – Present

- Provide critical operational support in a 24/7 federal security operations center, coordinating time-sensitive information and communications to support active field operations
- Support a range of investigative and administrative processes, applying a background in computer science and cybersecurity to navigate complex systems accurately and efficiently under pressure

Ursa Space Systems

New York, NY

Machine Learning Engineer & AI/ML Fellow

Aug 2025 – Dec 2025

- Evaluated machine learning models on synthetic aperture radar (SAR) imagery for iceberg vs. ship classification
- Compared models (logistic regression, random forest, and CNNs) with models trained on pre-trained geospatial embeddings
- Collaborated with a team to conduct end-to-end EDA, modeling, and cross-model comparisons, demonstrating that pre-trained embeddings significantly enhance generalization and **reduce training time by 30%** across architectures

Rivian Automotive

Plymouth, MI

Software Engineering Intern

May 2025 – Aug 2025

- Aggregated vendor risk datasets to enable accurate monitoring and analysis of third-party cybersecurity posture across suppliers
- Analyzed patterns and anomalies in Recorded Future risk scores, strengthening data-driven risk assessments and enhancing proactive vendor risk management strategies through continuous monitoring and detailed reporting
- Reduced open risks in the supplier **risk register by 60%** by closing outdated, duplicate, or misclassified risks and improving data
- Built trend graphs and dashboards to present security insights to senior leadership, improving visibility and decision-making

Google Summer of Code

New York, NY

Machine Learning Engineer

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 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

RESEARCH & PUBLICATIONS

Vagus Nerve Fascicular Network Analysis | Northwell Health

New York, NY

Research Assistant

Jan 2025 – Present

- Analyzed 3D microCT reconstructions of the human vagus nerve to quantify fascicular network structure for **NIH-funded** neuromodulation research and support advanced computational anatomical modeling and statistical comparison
- Developed Python workflows to extract fascicular metrics including fascicle count, total fascicular area, equivalent nerve diameter, and splitting/merging rates along the nerve for robust quantitative anatomical analysis and cross-sample comparison
- Applied graph-based network analysis to characterize fascicular connectivity and evaluate multiscale descriptors (e.g., NetLSD) across cadavers to capture structural variability and support comparative anatomical studies

TECHNICAL SKILLS

- **Programming & Frameworks:** Python, Java, JavaScript, TypeScript, SQL, Next.js, React, HTML, CSS, NumPy, Pandas, Matplotlib, scikit-learn, TensorFlow, Keras, Jupyter, C, C++
- **Data & Machine Learning:** Transfer Learning, Embedding Analysis, Multi-label Classification, Feature Engineering, EDA, Data Cleaning & Transformation, Model Pipelines, Data Visualization, Social Network Analysis
- **Systems & Tools:** Docker, Git, macOS, Ubuntu, Kali Linux, Windows, VMware, VirtualBox, Wireshark, Jira, Confluence, RecordedFuture, Coupa Risk Assess, PowerBI, Microsoft Excel
- **Certifications:** Google Cybersecurity Certification, CompTIA Security+, Active Top Security Clearance with SCI