Hinna Zeejah

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EDUCATION

St. John's University
Bachelor of Science in Cybersecurity Systems | **GPA: 3.77/4.00**   *Dec 2025*
• **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

Federal Bureau of Investigation   Newark, NJ
FBI Honors Intern   *Sept 2025 – Present*
• Developed a **keyword-search investigation** tool that ingests Excel files, scans for user-specified terms, highlights all matches, and generates keyword statistics, enabling faster, more targeted investigative analysis across multiple complex cases
• Collaborated with data analysts to develop social network analysis tools to map and analyze relationships between cyber threat actors and built an interactive interface with **Python** to visualize networks and enhance threat intelligence exploration

Ursa Space Systems   New York, NY
Machine Learning Engineer & AI/ML Fellow   *Aug 2025 – Present*
• 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• Reduced open risks in the supplier **risk register by 60%** by closing outdated, duplicate, or misclassified risks and improving data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 2025 – 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

LEADERSHIP & INVOLVEMENT

Break Through Tech AI | Cornell University   New York, NY
AI/ML Fellow   *Apr 2025 – Present*
• Selected from **3000+ applicants** for the Break Through Tech AI Program, aimed at increasing diversity in the field of AI
• Engaged in a **12-month intensive** program featuring hands-on Machine Learning coursework with Cornell faculty, real-world experiential learning projects, and ongoing mentorship from industry professionals and technical experts

Association for Computing Machinery | St. John's University   Jamaica, NY
Information Officer   *May 2025 – Present*
• Led chapter initiatives driving a **2× increase** in student engagement and building a community of **500+** active members
• Organized and managed a hackathon with **100+ participants**, coordinating logistics, sponsorships, and technical support
• Rebuilt the entire chapter website end-to-end, improving usability, streamlining content updates, and strengthening online presence

TECHNICAL SKILLS

• **Programming & Frameworks:** Python, Java, JavaScript, TypeScript, SQL, Next.js, React, HTML, CSS, NumPy, Pandas, Matplotlib, scikit-learn, TensorFlow, Keras, Jupyter
• **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:** Active Top Security Clearance (FBI), Google Cybersecurity Certification, CompTIA Security+