Hinna Zeejah

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EDUCATION

St. John's University — Queens, *NY*
B.S. in Cybersecurity Systems — Expected Dec 2025

EXPERIENCE

Federal Bureau of Investigation – FBI Honors Intern, Newark, NJ — Sept 2025 – Present

- Worked alongside many FBI Special Agents, Intelligence Analysts, and Task Force Officers in investigations covering all FBI Programs, including criminal and national security matters
- 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 – Machine Learning Engineer (AI Studio Fellow), Remote — Aug 2025 – Present

- Applied open-source pre-trained models to classify complex synthetic aperture radar (SAR) imagery, building scalable and transferable AI-driven solutions for intelligence, defense, and healthcare-related use cases
- Established robust baseline machine learning models and conducting comprehensive embedding analysis across multiple architectures to evaluate cross-domain model performance, adaptability, and scalability
- Leveraged transfer learning techniques to reduce data labeling costs and improve classification accuracy, effectively demonstrating how advanced AI can drive smarter, more efficient, and impactful decision-making

Rivian – Software Engineering Intern, Plymouth, MI — May 2025 – Aug 2025

- Aggregated vendor risk datasets to enable accurate monitoring and analysis of third-party cybersecurity posture
- Performed statistical analysis to detect patterns and anomalies in Recorded Future risk scores, strengthening data-driven risk assessments and enhancing proactive vendor risk management strategies across diverse suppliers
- Built bar charts, trend graphs, and dashboards to present security insights to senior leadership, improving visibility and decision-making while enabling proactive risk mitigation and streamlined compliance reporting processes

Google Summer of Code (The Honeynet Project) – Machine Learning Engineer, 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 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

PROJECTS

ACM Chapter Migration (Full-Stack Engineering - sjuacm.com) — Jan 2025 - May 2025

- Rebuilt the St. John's ACM Student Chapter website using Next.js, React, and TypeScript, migrating it to a scalable CMS that reduced maintenance overhead, streamlined updates, and enhanced long-term site maintainability
- Improved site usability and performance through optimized architecture and responsive design, resulting in a **3×** increase in engagement and supporting a community of **400+** active student and faculty users
- Collaborated with student leadership to integrate event pages, blog updates, and community resources, enabling the chapter to expand outreach efforts, boost visibility, and successfully attract **100+** hackathon participants

EXTRACURRICULARS

Cornell University Break Through Tech – AI Fellow, New York, NY — 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

St. John's University ACM Student Chapter – Information Officer, Jamaica, NY — Aug 2024 – May 2025

- 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
- Directed professional development programming, including a LinkedIn workshop with **60+** attendees, guiding students

TECHNICAL QUALIFICATIONS & ABILITIES

- **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
- **Security Clearence:** Top Secret Security Clearence (Active)