

# Aiman Ahsan

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## EDUCATION

### University of Texas at Dallas

Expected Graduation: May 2027

Bachelor of Science in *Information Technology Systems (Cybersecurity Management)*

Bachelor of Science in *Finance (Risk Management and Cybersecurity)*

GPA 3.75/4.00

**Relevant Coursework:** Network and Information Security, Programming with Python, Cloud Computing with AWS, Database Fundamentals, Data Governance, Operational Risk Management, Principles of Risk Management

## EXPERIENCE

### Cybersecurity GRC Analyst Intern

May 2025 – Aug 2025

Talen Energy Supply, LLC

Remote, TX

- Advanced governance and compliance by integrating **SailPoint IdentityNow** with **Okta** via SAML SSO, automating access reviews for **2,500+** Workday users
- Reduced phishing susceptibility by **7%** in **2 months** through **Proofpoint ZenGuide**, strengthening security awareness
- Explored SOC workflows using CrowdStrike Falcon, gaining hands-on exposure to **SIEM** tuning, **log analysis**, and **incident response**
- Enhanced **20+** cybersecurity policies during reviews, providing feedback to strengthen security and compliance
- Strengthened IT SOX audit compliance post-IPO by collecting evidence in **ServiceNow**, assisting with walkthroughs, and managing documentation in **Workiva**
- Assisted with **50+** risk register updates, supporting risk tracking and organizational risk management efforts

### Software Team Data Engineer

Aug 2024 – Present

Dallas Formula Racing (DFR)

Richardson, TX

- Analyzed, cleaned, and visualized vehicle dynamics data (CSVs, CAN Bus logs) using **Plotly**, and **Pandas** to simplify metrics for engineers and support performance improvements
- Automated file management tasks in **Linux (Ubuntu)** by scripting commands to filter and organize **10000+** files, streamlining workflows and improving efficiency

## PROJECTS

### Vulnerability Scanner | *EC2, S3, DynamoDB, Nmap, Python, Flask*

Mar 2025 – Apr 2025

- Built a scalable full-stack vulnerability scanner on AWS (**EC2, S3, DynamoDB**), enabling users to initiate and monitor **real-time** network scans through a web interface
- Implemented **Nmap** for asynchronous scanning, identifying **open ports** and vulnerabilities to enhance security insights
- Developed a **Flask API** with **Gunicorn** and **Nginx**, using **systemd** for background management and high reliability
- Designed and deployed 8+ interactive HTML/CSS pages with custom **JavaScript** routing, hosted via **AWS S3**

### Productivity Analytics Platform | *Python, Next.js, Redis, OpenVINO*

Nov 2024 – Nov 2024

- Won **HackTX 2024** by developing PrimeTime, an onboard productivity optimization app using **multimodal LLMs** running on Intel AI PC NPUs to classify productive work and improve time management
- Built a real-time AI dashboard with **Python** usage tracking, **Next.js** frontend, and **Redis** caching, enabling instant productivity analytics and automated application categorization with **sub 200ms response times**
- Optimized AI models with **OpenVINO** for deployment on Intel NPUs, enabling fast, private, on-device inference without reliance on cloud infrastructure

## TECHNICAL SKILLS

**Languages/Scripting:** Java, Python, SQL (Postgres), JavaScript, HTML/CSS, Powershell, Bash

**Tools:** AWS, Linux, Nmap, Wireshark, Git, ServiceNow, SailPoint IdentityNow, Workiva, CrowdStrike Falcon, Tableau, Docker, MS Office

**Frameworks/Standards:** NIST CSF, ISO 27001, ISO 31000, SOX

**Security Principles/Practices:** OWASP Top 10, OSINT, OSI Model