

Aiman Ahsan

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EDUCATION

The University of Texas at Dallas

Expected Graduation: May 2027

Bachelor of Science in Information Technology Systems

GPA 3.75/4.00

- Concentration in Cybersecurity Management

Bachelor of Science in Finance

- Concentration in Risk Management and Cybersecurity

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

SKILLS

Software Languages/Libraries: Python, Java, JavaScript, HTML/CSS, Pandas, Plotly

Tools: AWS, Linux, Excel, RiskRecon, SailPoint, Git, Nmap, Okta, Proofpoint, CrowdStrike Falcon, Workiva, Postgres (SQL), Tableau, DBeaver, Docker

Frameworks: NIST, SOX, OWASP, ISO 27001

WORK EXPERIENCE

Talen Energy

May 2025 – Present

Cybersecurity GRC Analyst Intern

Houston, TX

- Facilitated the configuration of SailPoint to automate periodic user access review campaigns for 2,500+ Okta-managed employee accounts, supporting governance efforts
- Implemented automated phishing awareness campaigns using Proofpoint, including mock phishing delivery and mandatory training assignments for identified at-risk employees
- Assisted with NIST and SOX compliance initiatives through Workiva to manage control documentation, ensure audit readiness, and test workflows

LEADERSHIP & ORGANIZATIONS

Association For Computing Machinery (ACM)

January 2025 – Present

Education Division Officer

Richardson, TX

- Providing guidance to multiple underclassmen in resume building, academic planning, industry expectations, and fundamental Python practices
- Developing and sharing personal educational resources to support mentees with coursework and personal projects

Dallas Formula Racing (DFR)

August 2024 – Present

Software Team Data Engineer

Richardson, TX

- Utilizing Python (Plotly, Pandas) to analyze, clean, and visualize CSV/CAN Bus logs of vehicle dynamics data
- Automating file management tasks using Linux to locate, filter, and copy data files to specific directories, optimizing workflows

PROJECTS

Vulnerability Scanner | AWS, Linux (Ubuntu), Nmap

March 2025 – April 2025

- Designed and deployed a scalable, full-stack vulnerability scanner that enables users to initiate scans through a web interface and view real-time results using AWS EC2, S3, and DynamoDB
- Integrated Nmap for network scanning and handling asynchronous scanning requests to detect open ports and potential vulnerabilities
- Developed a Flask-based API using Gunicorn and Nginx and managed it with systemd for constant availability and background management
- Built and styled 8+ dynamic HTML/CSS pages with custom JavaScript routing, hosted through AWS S3
- Diagnosed and resolved system-level issues such as socket binding errors and Gunicorn daemon management errors using Linux administration tools such as 'lsuf' and 'systemctl'