

Aiman Ahsan

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EDUCATION & HONORS

The University of Texas at Dallas – Jindal School of Management | Richardson, TX

May 2027

Bachelor of Science in *Information Technology Systems*

GPA 3.80/4.00

- Concentration in *Cybersecurity Management*

Bachelor of Science in *Finance*

- Concentration in *Risk Management and Cybersecurity*

Relevant Coursework: Cloud Computing with AWS; Database Fundamentals, Financial and Managerial Accounting

Honors and Awards:

- **Stuart Moldow Scholarship:** Earned an \$8,800 merit-based scholarship in recognition of academic excellence
- **Dean's List Scholar:** Recognized for maintaining high academic excellence through the first year of study

SKILLS

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

Tools: Git, Word, Excel, Docker, PostgreSQL, Tableau, Linux, AWS, Nmap, Jira, DBeaver

Frameworks: ISO 27001, NIST, OSI 7-Layer Model, OSAWP

LEADERSHIP EXPERIENCE & ORGANIZATIONS

Association for Computing Machinery (ACM) | Python, Git, HTML/CSS

January 2025 – Present

Education Division Mentor

- Providing guidance to two underclassmen in different scopes of 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 | Python, Pandas, Excel, Linux, Plotly, Git, PostgreSQL, DBeaver

August 2024 – Present

Software Developer

- Utilizing Python along with libraries such as Plotly and Pandas to analyze, clean, and visualize CSVs and CAN Bus logs of vehicle dynamics data
- Automating file management tasks by writing commands in Linux to locate, filter, and copy data files to specific directories, optimizing workflows

Computer Security Group | OWASP, NIST

January 2024 – Present

Active Member

- Participating in weekly meetings to develop skills in ethical hacking through hands-on experience with tools like Ubuntu and Wireshark and by completing Capture the Flag (CTF) challenges across different virtual environments
- Engaging with peers and professionals alike through guest lectures and various discussions focused on practical ethical hacking and other cybersecurity skills

PROJECTS

PrimeTime | Python, HTML/CSS, JavaScript, Git

November 2024

- Achieved second place for the Best Use of Intel's AI Challenge at HackTX 2024
- Developed a lightweight screen-time analysis application in under 25 hours, aimed to optimize time management, boost personal efficiency, and visualize user productivity
- Leveraged Intel's NPUs with OpenVINO to enable real-time classification of user activity using a multimodal LLM, optimizing both speed and accuracy

Vulnerability Scanner | AWS, Nmap, Python, HTML/CSS, JavaScript, Linux (Ubuntu)

March 2024 – 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 lsof and systemctl