

MAAZ MUGHAL

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Education

George Mason University

Sep 2022 – May 2026

B.S. Information Technology (Cybersecurity Concentration)

Fairfax, VA

- Dean's List Scholar; GMU Undergraduate Research Scholarship Recipient.
- Certifications: CompTIA Security+, AWS Developer Associate.

Experience

IT Help Desk Technician Intern

Jan 2025 – Aug 2025

George Mason University – College of Engineering and Computing

Fairfax, VA

- Resolved desktop, printer, and network issues for 100+ faculty/staff through remote and in-person support.
- Created SOPs and secure configuration guides, lowering repeat tickets and improving compliance readiness.
- Assisted with workstation deployment and asset inventory for proper endpoint tracking and baselining.
- Communicated clear steps and risk-aware guidance to users of all technical levels to boost first-call resolution rates.

Data Engineer (Contract)

Nov 2023 – June 2024

Upwork

Remote

- Developed ETL workflows using SQL, Azure, and GCP to transform raw datasets into analytics-ready tables.
- Built ingestion pipelines with Python for automated reporting and operational metrics.
- Optimized database indexing, query tuning, and pipeline performance for analytics workflows.

Cybersecurity Intern

May 2023 – Sept 2023

Worldwide Travel Inc.

Washington, DC

- Monitored SIEM alerts, grouped recurring issues, and escalated potential risks with clear summaries to support timely mitigation by the security team.
- Evaluated enterprise systems to identify opportunities for process automation and security improvements, documenting expected control impact and owners.
- Used scripting and data analysis to support risk mitigation decisions (e.g., parsing logs, validating inputs, organizing findings for review).
- Created and maintained governance documentation to align teams on procedures and compliance expectations for daily operations.

Projects

Real-Time E-Commerce Data Pipeline

Jan 2025 – Present

Python, SQL, PySpark, Kafka, Airflow, AWS

- Built real-time ingestion and a medallion model (Bronze/Silver/Gold) supporting business analytics.
- Orchestrated workflows with Airflow and visualized KPIs using Streamlit dashboards.

Degree Design (Android App)

Mar 2024 – Aug 2024

Java, Firebase, Android Studio

- Developed timetable generator with authentication and an admin dashboard for managing course data.
- Tested core features with JUnit and Mockito to reduce bugs and improve reliability.

Network Penetration Testing Tool

Jan 2024 – May 2024

Python, CVE APIs

- Automated CVE vulnerability scanning and reporting for internal assets.
- Built a lightweight UI enabling non-technical users to perform basic security assessments.

Technical Skills

Languages: Python, Java, C, SQL, JavaScript, Kotlin

Cloud: AWS (S3, EC2, Redshift, IAM), Azure, GCP

Tools & Frameworks: React, Node, Express, Docker, Git, Linux, Firebase

Security: SIEM Monitoring, Nmap, Wireshark, CVE Scanning

Data Tools: Pandas, NumPy, Power BI, PySpark, Kafka