

Muhammad Aleem Azhar

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randomedge999.github.io/Portfolio_website

PROFILE

IT Audit and Tech Consulting candidate (CS '26) skilled in **risk assessment, IT controls, cloud governance, and data analytics**. Strong technical base (**Python, SQL, cloud, dashboards**) paired with experience in **process improvement, compliance, and security monitoring**. Proven communicator with **client-facing teaching experience, project delivery, and cross-functional collaboration**. Targeting **IT Audit, Risk Advisory, and Technology Consulting** roles.

EDUCATION

Rhodes College

Memphis, TN

B.S. in Computer Science; Minor in Statistics

May 2026

- **Honor Roll (Fall 2023)**. Coursework: Risk Management, Cybersecurity, Databases, Data Analytics, Operating Systems
- **Yonsei University (Seoul)** — Study Abroad: AI, Computer Vision, and Emerging Tech in Business (Fall 2024)

EXPERIENCE

Data Manager and Administrative Support (Intern)

Jan 2023 - Present

Rhodes Student Employment

Memphis, TN

- Automated **payroll and compliance reporting in Python**; reduced errors by **30%** and improved **audit readiness**
- Implemented **data validation and access checks** for HR workflows; improved **data integrity and reporting accuracy**
- Streamlined **reporting pipelines** for Finance and HR; cut manual work **25%**, enabling faster audits

Teaching Assistant, Fundamentals of Computer Science

Jun 2025 - Aug 2025

Johns Hopkins University, CTY

- Explained **core computing and IT fundamentals** to **60+ students**; improved comprehension **40%**
- Standardized course materials and grading rubrics; delivery efficiency improved by **30%**
- Supported **multi-site logistics and communication**; strengthened project coordination across campuses

RHOK-SAT CubeSat Research Intern

May 2023 - Jul 2023

Rhodes College

Memphis, TN

- Developed **telemetry dashboards with Python and Plotly Dash (99.9% uptime)**; improved monitoring **40%**
- Applied **IT risk principles** (redundancy, backup, data integrity) in a real-world research environment
- Collaborated with multidisciplinary team; **presented findings to both technical and non-technical stakeholders**

PROJECTS

Governance and Compliance Dashboard

Aug 2025 – Present

Python, SQL, Tableau, Excel

- Built **dashboard tracking IT controls, SOX findings, and remediation progress**; enabled executives to monitor **risk in real time**
- Automated **ETL pipeline** ingesting compliance data across systems; reduced manual effort **40%**

Cloud Cost Analyzer

Apr 2025 – Aug 2025

Python, AWS (EC2, S3, IAM), Docker

- Built **cloudspend optimization analyzer**; identified cost savings of **20%** via rightsizing and storage lifecycle policies
- Implemented **IAM checks and access alerts** to strengthen **security and compliance monitoring**

Cyber Risk Simulator

Feb 2025

Python, Flask, SQLite, Risk Scoring Models QA

- Designed **cyberincident simulator** (phishing, ransomware, insider threat) with **impact/likelihood scoring**
- Built **reporting dashboards** for executives to visualize vulnerabilities and response strategies

Teacher Evaluation System

May 2025 – Present

Next.js, TypeScript, Prisma, PostgreSQL, NextAuth

- Built **rubricbased evaluation platform with RBAC and JWT sessions**; improved transparency in performance reviews
- Normalized schema and implemented **secure API endpoints**; enforced **access controls and data integrity**

City Pulse — Urban Analytics

Apr 2025 – Aug 2025

Python, FastAPI, TimescaleDB, Redis, Docker

- Designed **pipeline for social and environmental signals**; applied **anomaly detection and 24 hour forecasts**
- Built **REST API with validation and monitoring**; deployed **containerized services** with Docker Compose

SKILLS

IT Audit and Risk: IT General Controls (ITGC), SOX, risk assessment, compliance testing, process documentation

Data and Analytics: SQL, Python (pandas, NumPy), Tableau, Excel (Pivot, VLOOKUP), data validation, reporting

Systems and Cloud: Windows/Linux admin, AWS (EC2, S3, IAM), Docker, Redis, PostgreSQL/TimescaleDB

Consulting Skills: Client presentations, stakeholder communication, requirements gathering, project management

Security and Controls: RBAC, authentication, logging/monitoring, incident response basics