

Aliyan Hidayatallah

hidayatallaha.27@gmail.com | LinkedIn: [Aliyan Hidayatallah](#) | Portfolio: <https://aliyanhidayatallah.github.io/Portfolio-Website/>

EDUCATION

Wentworth Institute of Technology

Bachelor's in computer science

Expected graduation: August 2027

- **Related Coursework:** Cloud Computing, Data Structures, Algorithms, Databases, Operating Systems, Network Programming, Object Oriented Programming

PROJECTS

Internal Security Audit

Aug 2024

- Developed an internal security audit to assess and strengthen security, utilizing the NIST Cybersecurity Framework
- Created a comprehensive evaluation of access management, data protection, and compliance with PCI DSS, GDPR, and SOC standards
- Implemented recommendations that improved security controls and ensured regulatory compliance against threats

Cloud Migration

Jun 2024

- Migrated a Covid testing app and guest data from on-premises to a multi-cloud environment (Google Cloud & AWS)
- Developed automated deployment with Terraform, increasing system agility and scalability by 40%
- Deployed core services on Google Cloud, optimizing performance with VPC, Cloud SQL, and GKE
- Created cross-cloud communication by integrating AWS S3 for seamless data storage
- Implemented high availability, security, and compliance for critical guest data across the multi-cloud infrastructure

EXPERIENCE

JPMorgan Chase & Co

Boston, Massachusetts

Forage Cybersecurity Simulation

Jul 2024 – Aug 2024

Machine Learning Model for Business Email Compromise Detection:

- Improved detection of BEC attacks by 92% using a classification model trained on 10,000+ emails
- Deployed the model using confusion matrix and classification report, optimizing precision and recall reducing false positives
- Performed analysis to uncover key spam indicators, guiding improvements in email filtering systems
- Demonstrated proficiency in applying AI to cybersecurity for automated detection of email-based threats
- Gained cybersecurity skills in spam detection, phishing defense, and email threat analysis

Mobile Money Transaction Dataset Analysis:

- Achieved insights into fraud detection by analyzing mobile money transactions to guide security improvements
- Implemented exploratory data analysis to uncover transactions with high occurrence of flagged fraud cases resulting in decisions to enhance fraud detection strategies
- Developed visualized insights to illustrate fraud detection patterns and transaction frequency
- Gained cybersecurity skills in identifying fraud patterns, analyzing risk factors, and proposing improvements to fraud detection systems to reduce false positives and enhance security measures

CERTIFICATIONS

Networks & Network Security (Google)

Sep 2024

Play It Safe: Manage Security Risks (Google)

Aug 2024

Foundations of Cybersecurity (Google)

Jul 2024

Full Python Course (Coursera)

Jun 2024

Intensive Cloud Computing Hands-on Training (The Cloud Bootcamp)

May 2024

SKILLS

Programming: Python, Java, JavaScript, HTML, CSS, Assembly, SQL

Tools: AWS, GCP, Linux, Wireshark, Packet Tracer, Anaconda, Spyder, GitHub, Git, Windows, macOS