

Aliyan Hidayatallah

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

EDUCATION

Wentworth Institute of Technology

Sophomore in Computer Science (2027)

- **Related Coursework:** Data Structures, Algorithms, Databases, Operating Systems, Network Programming

PROJECTS

Internal Security Audit

Aug 2024

- Conducted an internal security audit for a company, to assess and strengthen its security posture by utilizing the NIST Cybersecurity Framework and evaluating key areas such as access management, data protection, and compliance with PCI DSS, GDPR, and SOC standards
- Provided actionable recommendations to improve security controls and ensure regulatory compliance, resulting in enhanced protection against potential security threats

Cloud Migration

Jun 2024

- Achieved a 40% increase in system agility and scalability by automating infrastructure deployment with Terraform, migrating a Covid testing app and guest data from on-premises to a multi-cloud environment (Google Cloud & AWS)
- Designed and deployed core services on Google Cloud using VPC, Cloud SQL, and containerized the app with Docker on Google Kubernetes Engine (GKE) to optimize performance and reliability
- Enhanced data storage and cross-cloud communication by integrating AWS S3, ensuring seamless functionality between Google Cloud and AWS
- Ensured 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
- Evaluated 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
- 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
- Led exploratory data analysis to uncover transactions with high occurrence of flagged fraud cases resulting in decisions to enhance fraud detection strategies
- 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, MySQL

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