Adhyan Sareen

+1 (647) 879 9990 | adhyansareen@loyalistcollege.com | linkedin.com/in/Adhyansareen | github.com/Adhyansareen09

EDUCATION

Loyalist College — Belleville, ON
Post Graduate Certificate in Cyber Security — *Sep. 2024 – Current*

Chitkara University — India
Bachelors of Engineering in Computer Science Engineering — *Sep. 2020 – Aug. 2024*
CGPA: 9.44

TECHNICAL SKILLS

Languages: Python, Java, SQL, HTML, CSS, YAML
Frameworks: Selenium, Kubernetes
Relevant Tools: Wireshark, Nmap, Splunk, CloudWatch, Git, VS Code, Jenkins, Tekton, Docker
Key Concepts: Network Technologies, Network Security, Operating Systems, Security Monitoring, Cloud Environments.

PROJECTS

Cybersecurity Detection & Monitoring Lab | *Splunk, Kali Linux, Azure Active Directory*

- Engineered a virtualized home lab network to simulate and analyze vulnerabilities for hands-on threat detection and response.
- Utilized **Splunk** for centralized log aggregation and monitoring, **Kali Linux** for penetration testing, and **Azure Active Directory** for enterprise-grade identity and access management.
- Executed offensive tactics and defensive techniques to emulate real-world attack scenarios and improve incident response strategies.

Azure Cloud Detection Lab | *Azure Sentinel, Virtual Machine, SIEM*

- Deployed and configured **Azure Sentinel** for advanced threat analysis within cloud-based environment.
- Designed custom rules to detect malicious Virtual Machine activity, including indicators of attacker persistence.
- Implemented resource monitoring and automated alert generation to enhance the visibility of potential security breaches in real-time.

Backend Development & Database Management | *Python, MongoDB, SQL, HTML/CSS*

- Developed a secure **Role-Based Access Control (RBAC)** module using **Python** to ensure access to sensitive application endpoints was restricted to authorized users.
- Built and managed a backend system using **MongoDB** for NoSQL document storage, **SQL** for relational database operations, and **HTML/CSS** for front-end design.
- Implemented operations for managing student and employee records while adhering to secure development.

DevOps Application Deployment Project | *Docker, Kubernetes, GitOps, ArgoCD, Tekton CI/CD pipeline, GitHub*

- Architected and deployed a **Ruby on Rails** application with a **PostgreSQL** database, leveraging **Docker** and **Kubernetes** for containerized and scalable deployment.
- Automated **GitOps** workflows using **ArgoCD** and developed a **Tekton CI/CD pipeline** for seamless code integration, container builds, and deployment.
- Configured a private **GitHub** repository with security features like branch protection rules and pipeline integration for version control and collaboration.
- Applied container vulnerability scanning best practices to ensure secure application deployment and operations.

CERTIFICATIONS

- **Java Programming Course** (2018). National Institute of Information Technology, India.
- **Application Developer User Interface Creator Micro-Certification** (ServiceNow, Aug 2023).
- **Flow Designer Micro-Certification** (ServiceNow, Aug 2023). Expertise in building workflows with ServiceNow.
- **AZ-900 Azure Fundamentals Certified** (Microsoft). View Certification.
- **ISC2 "CC" and CompTIA Security+ certifications.** (In Progress)

POSITION AND RESPONSIBILITY

- **District Coordinator** for Vidyarthi Vigyan Manthan, promoting scientific temper (2019-2020).
- Member of the **Cyber-Security Club** at Loyalist College, raising awareness about cyber security threats.
- Established a **Happiness Lounge** at Chitkara University, enhancing student well-being (2021-2022).
- **National-level** soccer player and former university **Captain**, showcasing leadership, teamwork, and dedication.