Sahil Jain

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🌐 GitHub | LinkedIn | Portfolio

Professional Summary

Recent postgraduate with expertise in **Cybersecurity, Cloud Computing, and DevOps**. Proficient in securing cloud infrastructures (AWS, Azure), automating deployments, and enhancing security postures using **CI/CD, Terraform, Docker, Kubernetes, and security monitoring tools**. Passionate about implementing **secure architectures and risk mitigation strategies**.

Technical Skills

- **Security & DevSecOps**: Security best practices, IAM, Firewalls, SonarQube, OWASP
- **Cloud Platforms**: AWS, Azure
- **CI/CD & Automation**: Jenkins, GitHub Actions, Terraform (IaaC), Docker, Kubernetes
- **Scripting & Languages**: Python, Bash, SQL, C/C++
- **Monitoring & Threat Analysis**: Grafana, CloudWatch, Packet Analysis

Education

Master of Computer Applications (MCA)
Vellore Institute of Technology, Chennai (2022 – 2024) | GPA: 7.94

Bachelor of Science in Information Technology (B.Sc-IT)
NM College, Mumbai (2019 – 2022) | CGPA: 8.45

Certifications

- **Microsoft Azure Fundamentals (AZ-900)** – *Microsoft*
- **Mastercard Cybersecurity Virtual Experience** – *Forage*
- **Datacom Cybersecurity Job Simulation** – *Forage*

Professional Experience

DevOps Intern – *Solytics Partners* (Aug 2023 – May 2024)

- Implemented **CI/CD pipelines using Jenkins**, optimizing build processes with **Groovy scripts**.
- **Containerized applications** using Docker and orchestrated deployments on Kubernetes.
- Conducted **code security analysis** using SonarQube to identify vulnerabilities.
- Managed cloud infrastructure using **AWS, Azure**, and infrastructure as code (**Terraform**).
- Collaborated with teams via **GitHub**, ensuring secure version control.

Projects

Secure Web Deployment – AWS, Jenkins

- Deployed a web application using **Docker containers on AWS**.
- Configured **CI/CD pipeline using Jenkins**, ensuring **secure and automated deployments**.

Web Scraping & Security – Python

- Developed a **Python script using Beautiful Soup** to securely extract financial data.
- Implemented **data validation and sanitization techniques** to prevent injection attacks.

Dassets – Kotlin App (Security & Backend)

- Designed a **stock and cryptocurrency tracking app**, implementing **secure API authentication**.
- Integrated Firebase backend with **OTP authentication** for user security.

Extracurricular Activities

- Presented a **research paper on Automatic Number Plate Detection**.
- Organized cybersecurity awareness workshops.
- Active participant in **MUNs (Model United Nations)** and technical workshops.