MOHAMMAD SHOAB

SITE RELIABILITY ENGINEER | CYBER SECURITY RESEARCHER | ETHICAL HACKER

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EDUCATION

VIT Bhopal University, Bhopal || B-Tech: CSE with Cyber Security & Digital Forensics (CGPA 8.48)   **2020 – 2024**

Walther Inter College, Jaunpur, U.P. ||Class 12th (71.8%)   **2019 – 2020**

SKILLS

Technical Skills: Python, Java, HTML, CSS, JS, SQL
Other Skills: Git, Jira, Docker, Kubernetes, Vault, Helm, ArgoCD, Jenkins, Prometheus, Grafana, Jfrog, Kibana, Cybersecurity, Web Application Security, VAPT, Linux, AWS, Burp Suite, Nessus, Nmap, cPanel, MYSQL, MongoDB, WordPress, Scripting.
Soft Skills: Problem Solving, Collaboration, Critical Thinking, Adaptability, Debugging & Troubleshooting, Communication

EXPERIENCE

Better World Technology Pvt. Ltd. || Site Reliability Engineering 1   **July 24 - Present**
- Provide **on-call** support, handling **incidents**, **debugging**, and **resolving** to maintain high system reliability and minimize **downtime**.
- Manage application **deployments** using **Helm** for chart modifications and configurations. Coordinate deployment rollouts to ensure smooth application updates.
- Utilize **Grafana**, **Prometheus**, and **OpenSearch** for real-time monitoring, alerting and analysing **logs**.
- Use **Bitbucket** for maintaining and updating configuration files (values.yaml, chart.yaml).
- Run **Jenkins** jobs to automate deployment workflows.
- Securely manage application secrets with **HashiCorp Vault**, ensuring best practices for sensitive data handling.
- Provision and maintain **Kubernetes** clusters, setting up new clusters and managing resources using **ArgoCD**.

Better World Technology Pvt. Ltd. || Site Reliability Engineering Intern   **Feb 24 - July 24**
- Developed **AWS cost monitoring** and **alerting** tool.
- Troubleshooted and configured **Linux systems**, addressing **file creation, network, CPU, and SSH** issues.
- Gained proficiency in tools and methodologies including **ArgoCD, Jira, Prometheus,** and **Kubernetes**.
- Analyzed and resolved **high CPU usage** and **network connectivity** issues.
- Deployed and monitored applications using **Prometheus** and set up **alerting mechanisms.**

PROJECTS

AWS Budget and Cost Anomaly Detection (Personal project)   **Apr 24 – Ongoing**
- Developed a **centralized alerting tool** to monitor and manage **AWS infrastructure costs**.
- Focused on creating **comprehensive dashboards** and implementing **alerting mechanisms** for **cost anomalies**.
- Offered hands-on experience in **setting thresholds**, **monitoring AWS services**, and ensuring **data consistency**.
- **Technology**: AWS, MongoDB, Kubernetes, Docker, Python, HTML, CSS, JS.
- **Role**: SRE, Developer and Designer.
- **Link: github.com/Mohammad-Shoab/AWS-Cost-Anamoly**

CySec AWA - Aimed at fostering Cyber Security Awareness (Group project)   **Dec 22 – May 23**
- Curated **20+ blogs with videos, 5+ quizzes, and 2 tools** like phishing website checker.
- Empowered individuals to stay updated on cyber threats and best practices.
- **Technology**: WordPress, Check-Phish API, HTML/CSS, PHP, MYSQL.
- **Role**: Site Administrator, Developer & Web Designer.
- **Link: cyber-awareness.in**

Kryptos3dit - Encrypts and decrypt videos in a very short period (Group project)   **Sept 21– Dec 21**
- Adhered to 5 key principles of user-friendly design and robust security.
- Implemented advanced features like Image filtering and integrated web image search using Google.
- **Technology**: Python, Java, CSS.
- **Role**: Implemented **AES256** for video encryption & decryption.
- **Link: github.com/Mohammad-Shoab/kryptos3dit**

COURSES & CERTIFICATIONS

- Learning Linux Basics Course & Labs (Feb 24)
- Docker Training Course for the Absolute Beginner (Feb 24)
- CKA Certification Course - Certified Kubernetes Administrator (Feb 24)
- AWS Cloud Practitioner, AWS (July 23)
- GIT for Beginners (Feb 24)
- DevOps Pre-Requisite Course (Feb 24)
- Prometheus Certified Associate (PCA) (Feb 24)

ACHIEVEMENTS & RESPONSIBILITIES

- Ranked **57th** out of 11,000 competitors nationwide in the KPMG Capture The Flag (**CTF**) challenge.
- Ethically hacked and **secured** over **25** domains, including prominent ones such as Vimeo, Datto, SAP, US-DOD, Lenskart, among others.
- Served as a Core Member of the OWASP Club at VIT Bhopal from September 2022 to March 2023.
- Actively contributing as a Core Member (Hacker) in the VIT Bhopal Cyber Warrior Club since August 2022.