Om Asutosh Das

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WORK HISTORY

CyberDefense Intern | CyberDojo   **June 2025 - August 2025**

- **Putting some lines below for reference:**
- Built and configured a complete Active Directory lab environment from scratch, including domain controllers, DNS, GPOs, and domain-joined client systems to simulate enterprise networks.
- Performed comprehensive Active Directory enumeration to identify misconfigurations, privilege escalation paths, and exposed attack surfaces.
- Executed real-world AD attack techniques including LLMNR/NetBIOS poisoning, SMB relay, Kerberoasting, mitm6, DCSync, Golden Ticket, and DCShadow.
- Analyzed the full attack lifecycle, gaining hands-on experience with credential abuse, lateral movement, and persistence in Windows environments.
- Deployed and configured Sysmon with advanced logging rules to improve visibility into malicious system and attacker behavior.
- Investigated Windows Event Logs to detect suspicious PowerShell execution, unauthorized registry changes, and abnormal authentication activity.
- Identified indicators of lateral movement and privilege escalation through log correlation and behavioral analysis.
- Implemented basic log forwarding and incident triage workflows to simulate blue-team monitoring and response operations.
- Applied defensive mitigation strategies to reduce attack impact and strengthen overall Active Directory security posture.
- Strengthened detection engineering skills by correlating offensive techniques with defensive monitoring and response strategies/
- Documented lab configurations, attack findings, and defensive measures to support knowledge sharing and repeatable security testing.

Internship Trainee | TCS iON   **December 2024 - January 2025**

- Designed and implemented a containerized Jenkins CI/CD pipeline on AWS Cloud to automate build, test, and deployment workflows.
- Gained hands-on experience with Docker, Jenkins, and AWS services by applying DevOps best practices in a real-world project.
- Automated application deployment processes to improve consistency, reliability, and delivery efficiency.
- Configured CI/CD pipeline stages for code integration, containerization, and continuous delivery.
- Documented pipeline architecture, configurations, and workflows while collaborating in a remote professional environment.

SKILLS

- **Backend:** Java, Python, Linux Basics, Git & GitHub, Basic Cloud Knowledge, SQL Databases, Web & Server
- **Databases:** SQL, Cassandra, Query Optimization, Indexing, Transactions, Caching (Redis), Partitioning
- **Cloud & DevOps:** AWS (EC2, S3), Docker, Kubernetes, CI/CD Pipelines
- **Soft Skills**: Excellent communication, Troubleshooting, Problem Solving, Team Management, Decision Making
- **Others**: Networking, Linux, Network Security, Cybersecurity,
- **Frontend (Basic):** HTML, CSS, Optimize images

EDUCATION

SRI SRI University   Cuttack, Odisha, India
Bachelor of Technology in Computer Science (BTech in CS with CSCD)   **August 2023 – Present**

Bridgewell Global School   Bhubaneswar, Odisha, India
11th & 12th Science Stream   **March 2021 – April 2023**