

PRANJAL NAWARKAR

316-925-2755, nawarkarpranjal2001@gmail.com, [LinkedIn](#), [GitHub](#)

SUMMARY

- Experienced Security Engineer with demonstrated history of working in the IT and services industry.
- Skilled in Cloud Security, Virtualization, Network Security, Application Security, Identity & Access Management.
- Experienced in AWS services: EC2, ELB, Route53, S3, SNS, Lambda, IAM, CloudWatch, AWS Config, RDS.
- Experienced in DevOps tools: Docker, Terraform, CI/CD pipelines with Jenkins, Nexus, Kubernetes.

EDUCATION

Master of Science in Computer Science

(Graduate Certification in Cybersecurity)

Wichita State University, Wichita, KS, USA

GPA: 4.0

May 2024

Bachelor of Engineering in Computer Science & Engineering

GPA: 3.8

2018-2022

Gokhale College of Engineering, Nashik, MH, IN

EXPERIENCE

Cloud Security Intern, NASA CosmoShox team

08/2023- Present

- Implemented Network and Virtual Machine security best practices, Utilized KQL to query logs.
- **Reduced data storage costs by 15%** by strategically leveraging AWS services like EC2, S3, and RDS for efficient storage, processing, and secure distribution of training materials.
- Utilized Data Connectors to bring data into Microsoft Sentinel for analysis.
- **Enhanced project delivery times by 15%** through active contributions to agile project management.
- Understood the role of Windows Security Event logs and configured Windows Security Policies.
- Wrote Custom Analytic Rules to detect **Microsoft Security Events**.
- Utilized MITRE ATT&CK to map adversary tactics, techniques, **detection**, and mitigation procedures.

Graduate Research Assistant – Wichita State University

12/2022-Present

- Led design of secure, cost-efficient AWS infrastructure, ensuring data integrity via AWS best practices.
- Pioneered advanced research initiatives, delving into AWS features such as AWS EC2, VPC, EBS, AMI, AWS Config, Auto Scaling, SES, SQS, SNS, CloudWatch, S3, CloudTrail, and CloudFormation.
- Implemented cutting-edge AWS security practices: dynamic key rotation, role-based permissions, password policy enforcement, S3 encryption, and proactive monitoring for IAM roles and privileges.
- Developed robust security policies for AWS assets, skillfully managing access through accounts, users, and groups.

Junior Cyber Security Engineer Trainee, Cancer Foundation of India, Nashik, IN.

12/2020-06/2022

- Participated in National initiative for Cybersecurity Education (NICE).
- Deployed AWS IAM Access Analyzer to proactively identify unintended resource access, streamlining security notifications via SNS for rapid response.
- Automated monitoring and the revocation of unintended **IAM Access**, expertly removing unused **Security Groups**, and rectifying flawed S3 Bucket policies and Object ACLs.
- Implemented AWS Secret Manager to secure the database credentials and retrieve from lambda.
- Configured and deployed Azure Resources such as **Log Analytics Workspace**, **Virtual Machines**, and Microsoft Sentinel.

PROJECTS

Azure Cloud Detection Lab: Configured and deployed Azure Resources such as Log Analytics Workspace, Virtual Machines and Microsoft Sentinel. Implemented network and virtual machine security best practices. [GitHub](#)

Revert Changes in rules to Amazon VPC Security Groups Automatically and Receive Notifications:

The new ingress rule added to security group, a CloudWatch event that continually monitors changes to your security groups detects the new ingress rule and invokes Lambda function. [GitHub](#)

Detection of Malicious traffic in DNS over Hhttps (DoH):

Finding level-1 identification (DoH and Non DoH) and level 2 identification (Benign and Malicious) in DoH. [GitHub](#)

SKILLS

Programming languages: Python, Bash, JSON, YAM, Java

Operating Systems: Linux, Unix, Windows and MacOS

Tools: Git, Jenkins, Ansible, Jira, Code Commit, Apache

Security Tools: SIEM, EDR, IDS/IPS, IAM, Firewall

Cloud technologies: AWS, GCP, Azure

Network and Security: DNS, HTTPS, SMTP, DOH

Virtualization: Docker, Kubernetes, VMware

Risk Mgmt: Vulnerability, Risk Assessment

CERTIFICATIONS

CompTIA Security+

AWS Cloud Quest

NCL

AWS Certified Security – Specialty

CompTIA CySA+ (current)

Cyber Security Boot Camp

AWS Certified Cloud Practitioner

Google Cloud Facilitator (GCP)