Yenna Thanuj

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Summary

- Google Cloud Certified professional with over 5 years of diverse experience in software development, cybersecurity, cloud computing, automation, cloud engineering, system administration, threat detection, and incident response.
- Proven track record in developing automations, creating high-fidelity detection use cases, and mitigating security incidents.
- Recognized for effectively leading cross-functional teams with strong communication and collaboration skills.

Education

Loyalist College | Masters in Cybersecurity   Jan 2022 - Apr 2023
Coursework: Ethical Hacking, Networks Security, Artificial Intelligence, Forensics, Cloud security, Software programing.

Gayatri Vidhya Parishad College of Engineering | Bachelor's in Computer Science   Aug 2015 - May 2019
Coursework: Algorithms& Data Structures, Operating Systems, Database Management Systems, Compilers, Cloud Computing

Employment

UpWork | Freelance Cloud & Security Solutions Consultant   Jan 2024 – Present
- Built and maintained CI/CD pipelines with security features embedded, streamlining software delivery processes while ensuring application security during development and production stages.
- Configured and optimized Splunk for real-time log analysis and system monitoring, enhancing operational efficiency and security incident response capabilities.
- Managed CyberArk for privileged access control, ensuring secure access to critical systems and sensitive data while adhering to security policies and compliance standards.

Unilever | IT and Cybersecurity Specialist   Dec 2023 - Dec 2023
- Engineered basic cybersecurity protocols to support the IT team in enhancing data protection measures and ensuring compliance with internal security policies.
- Reviewed and cleared technical documentation for users, ensuring clarity and ease of use while adhering to cybersecurity best practices.

TELUS Communication | Cybersecurity Specialist   Jan 2023 - Jul 2023
- Developed automation tools using Python and Selenium to streamline SOC documentation, KPI dashboards, and CVE detection, reducing manual effort by 50% and accelerating vulnerability detection from 2 days to 10 minutes.
- Created an automation tool using OpenVuln API to detect Common Vulnerabilities and Exposures (CVE) for Cisco routers and firewalls on the client's infrastructure, which reduced the time to 10 minutes instead of 2 days.
- Automated SIEM use case testing and threat detection processes, improving response times and accuracy by 40%.
- Monitored and updated Cisco firewalls, applying regular security patches and managing threat analysis with 99% uptime.
- Utilized Cisco Firepower for centralized network security policy management, event monitoring, and threat detection

Kyndryl | System Administrator   Sep 2021 - Jun 2022
Lead Datacenter Migration | Tech: AWS, Splunk, Mainframe, Docker, Kubernetes
- Directed two major data center migrations, achieving seamless transition of 18 cluster servers and nearly 2PB of data. Ensured zero downtime and a cost saving of $100,000 anually by collaborating with a global cross-functional team for meticulous planning and execution.
- Implemented Hyperswaps for swapping between two datacenters for doing maintenance work on the slave environment and re-swapping them quarterly for bringing 100% performance of the servers.
- Simulated and documented disaster recovery methodologies to maintain 100% Recovery Time Objective (RTO) and Recovery Point Objective (RPO). Reduced RTO from 7 days to 18 hours, resulting in a $50,000 cost saving anually.
- Utilized Splunk for network activity monitoring, increasing the detection rate and improving the response to potential threats through effective logging and analysis.
- Orchestrated infrastructure deployment using Terraform with Infrastructure as Code (IaC), improving scalability, reliability.

IBM | System Administrator   Jun 2021 - Aug 2022
Mainframe Modernization | Tech: RHEL, OpenShift, IBM cloud, Containers and Microservices
- Transitioned 50% of legacy applications to RHEL in IBM Cloud, enhancing scalability and flexibility through containerization using Z-OS.
- Replicated mainframe applications to a hybrid environment, transitioning 50% of legacy applications to RHEL deployed in IBM Cloud. Implemented containerization using Z-OS, enhancing the scalability and flexibility of legacy systems.
- Streamlined process documentation for incident response reporting, resulting in efficient training datasets for issue mitigation and saving $120,000 in operational costs anually.
- Established guidelines for user retention, server rules, and password management, enhancing security protocols and system stability.
- Automated data center health checks for servers, using Python to route critical scaling issue notifications via SMTP to designated email addresses, improving proactive maintenance.

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Fame Technologies | DevOps Engineer   Oct 2018 - May 2019

- Optimized, and maintained scalable web applications using Node.js and React, improving user experience and performance through efficient front-end and back-end integration.
- Utilized AWS for deploying and managing applications, leveraging services such as EC2, S3, and Lambda to enhance scalability and reliability of web solutions.
- Configured and managed domain services using GoDaddy and Namecheap, streamlining domain registration and DNS management for client web applications.
- Actively collaborated with cross-functional teams, including design and operations, to ensure efficient development, testing, and deployment of full-stack applications with minimal downtime.
- Created and integrated captive portal solutions for secure network access, improving user authentication and access control for web applications.

Aspire vision | Python Developer   May 2018 - Aug 2018

- Assisted in designing and developing responsive web applications using Django, participating in the full development lifecycle from initial design to deployment.
- Collaborated with the development team to integrate and manage relational databases using Django's ORM, enhancing data integrity and application performance.
- Participated in rigorous testing phases, identifying and rectifying bugs within the Django application, contributing to a 85% increase in overall software stability.
- Automated repetitive tasks using the Pynput module, reducing manual effort and improving productivity.

Certifications

G [Google Cloud Cybersecurity Certified](#)
○ [GitHub Advanced Security Certified](#)
▢ [Oracle Cloud Generative AI Certified Professional](#)
▨ [Kali Linux Certified Professional (KLCP)](#)
G [Google Cloud Site Reliability Engineering Certification](#)
G [Google AI Essentials](#)
G [Google Cloud Mitigate Threats and Vulnerabilities with Security Command Center](#)
◉ [Qyalys Certified Specialist Container Security](#)
aws [AWS Building Generative AI Applications Using Amazon Bedrock](#)
▲ [Secure your cloud apps and services with Microsoft Defender for Cloud Apps in Azure](#)

Projects

Quiz Master AI | Tech: Generative AI

- Trained GPT LLM in the GPT Store to give the best and quickest responses for quizzes at all levels of education.

SSH-bruteforce | Tech: Python, Paramiko

- Tool to automate brute-force attacks on SSH servers, demonstrating knowledge of network protocols, security vulnerability testing, and secure shell (SSH) handling.

Wireguard VPN | Tech: Azure, wireguard, VPC, Virtual Machine, Cloud Computing

- Created a own Virtual Private Network (VPN) server in Microsoft Azure, leveraging Wireguard's secure and e cient VPN tunnel protocol, this lets create and connect to network on the fly.

Game Hosting website | Tech: Node JS, HTML, CSS

- A website that enables users to share room for PUBG competitions, featuring a secure payment gateway via Paytm.

Automated Health check | Tech: Python

- Application for IBM to monitor the capacity of our storage server. This app served as a vital tool for proactively maintaining system performance and stability which saved $20,000 for the clients.

Hashhunter | Tech: Python, hashlib, os

- A multithreaded tool that attempts to recover passwords by comparing hashes (SHA-256, SHA-1, MD5) from a given wordlist to a specified hash, logging both successful and unsuccessful attempts to a file for security analysis.

Technical Skills

Programming Languages: Python, Bash Scripting, JavaScript, Node.js, JCL, C, React
Automation Tools: Python, PowerShell, Selenium, Terraform
Threat Detection and Analysis: SIEM, Elastic, Splunk, Cisco Firepower, Incident Response Playbooks (IRP), SOC 2
Database: MySQL, Oracle SQL, PostgreSQL, SQLite
Tools: GIT, Nmap, Wireshark, Burp suite, Active Directory, Bitbucket, SAP, CyberArk, Nessus, Metasploit
Cloud Services: AWS, GCP, Azure, Docker, Kubernetes, IAM, Mainframe