

# Thanuj Yenna

 [thanujyenna97@gmail.com](mailto:thanujyenna97@gmail.com) |  [Portfolio](#) |  [LinkedIn](#) |  [GitHub](#) |  [Certifications](#)

## Summary

- Google Certified professional with over 4 years of diverse experience in cybersecurity, cloud computing, automation, software development, cloud engineering, system administration, threat detection, and incident response.
- Proven track record in developing automated solutions, creating high-fidelity detection use cases, and mitigating security incidents.
- Adept at using Python, automation tools, and cloud platforms to enhance operational efficiency and drive innovation.
- 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, Computer Networks design, Artificial Intelligence for Cybersecurity, Forensics, Cloud security, Vulnerability assessments, SQL Injection, Network security, Security Assessments, 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, Computer Organization & Architecture, Web Technologies, Object Oriented Programming, UNIX Programming.

## Employment

**TELUS Communication | Cybersecurity Specialist** Jan 2023 - Jul 2023  
**Client:** BC Hydro

- Developed and deployed 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.
- Deployed 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

**IBM | System Administrator** June 2019 – June 2022  
**Client:** Discover Financial Services

**Lead Datacenter Migration | Tech:** AWS, Splunk, Mainframe

- 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 annually 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 annually.
- Utilized Splunk for network activity monitoring, increasing the detection rate and improving the response to potential threats through effective logging and analysis.

**Client:** Safeway Albertsons

**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 annually.
- Established guidelines for user retention, server rules, and password management, enhancing security protocols and system stability.
- Developed and automated data center health checks for servers, using Python to route critical scaling issue notifications via SMTP to designated email addresses, improving proactive maintenance.

**Fame Technologies | DevOps Engineer** Oct 2018 - May 2019

- Developed, 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.

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- Actively collaborated with cross-functional teams, including design and operations, to ensure efficient development, testing, and deployment of full-stack applications with minimal downtime.
- Developed 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 15% increase in overall software stability.
- Automated repetitive tasks using the Pynput module, reducing manual effort and improving productivity.

## Technical Skills

**Programming Languages:** Python, Bash Scripting, JavaScript, Node.js, JCL, C

**Automation Tools:** Python, PowerShell, Selenium

**Threat Detection and Analysis:** SIEM Use Case Development, Splunk, Cisco Firepower, Incident Response Playbooks (IRP), SOC

**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

**Operating Systems:** Linux, Windows

## Projects

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

- I deployed my own Virtual Private Network (VPN) server in Microsoft Azure, leveraging Wireguard's secure and efficient VPN tunnel protocol. This hands-on experience provided me with a solid understanding of VPN setup and network security protocols.

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

- Developed a website that enables users to share room codes for PUBG competitions. The site features a secure payment gateway via Paytm.

### Automated Health check | Tech: Python

- Developed a 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.

### Automatic website generator using google sheets | Tech: OAuth, Google sheets, Node JS

- In a collaborative effort with college, we developed a tool that updates websites dynamically by just updating the data and parameters in google sheets by calling the source APIs to make the changes to the code base.

### 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.

## Certifications

 [Google Cloud Cybersecurity Certified](#)

 [GitHub Advanced Security Certified](#)

 [Oracle Cloud Generative AI Certified Professional](#)

 [Kali Linux Certified Professional \(KLCP\)](#)

 [Google Cloud Site Reliability Engineering Certification](#)

 [Google AI Essentials](#)

 [Google Cloud Mitigate Threats and Vulnerabilities with Security Command Center](#)

 [Qyalys Certified Specialist Container Security](#)

 [AWS Building Generative AI Applications Using Amazon Bedrock](#)

 [Secure your cloud apps and services with Microsoft Defender for Cloud Apps in Azure](#)

 [Microsoft Azure Well-Architected Framework - Security](#)

 [Microsoft Python Django Web application Certification](#)

 [IBM - Network Communications](#)

 [IBM Quantum Computing](#)

## Achievements

- Led the college club's music team as the President, guiding them to winning 1<sup>st</sup> prize for 2 consecutive years.
- Co-founder and active member of the club “**Techsquad**” with a “learn and share” moto for helping students to learn a new concept by interconnecting it with known topic to generate a deeper understanding.