

# YASHWANTH KATIKE

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## Professional Summary

Driven and results-oriented technology professional with a deep passion for cybersecurity and software development. Skilled in designing secure, high-performance systems while proactively identifying and mitigating security vulnerabilities. Proficient in multiple programming languages with hands-on experience using cutting-edge cybersecurity tools and frameworks. Committed to secure coding practices, threat mitigation, and staying ahead of emerging technologies. Eager to apply my technical expertise and problem-solving skills to protect and innovate in challenging environments.

## Education

B.Tech in Computer Science and Engineering  
NIIT University, Neemrana  
August 2024

## Experience

### Tech Lead - University Tech Fest Core Team

SiNUoid, Neemrana

January 2022 - August 2023

- Led cybersecurity and IT infrastructure for the university tech fest, ensuring 100% uptime and securing data of 5,000+ users
- Implemented network security measures, conducted penetration testing, and managed incident response
- Oversaw a team of 10+ members and reduced security risks by 40% through proactive threat mitigation

## Skills

**Cybersecurity Tools:** Splunk, Wireshark, Burp Suite, Metasploit, PyShark, CrowdStrike, Autopsy

**Programming :** Python, Java, Ruby, Go, Kotlin, Flutter, SQL

**Security Domains:** Threat Intelligence, OSINT, SIEM, EDR, IAM, PAM, MFA, Incident Response

**Frameworks & Compliance:** NIST, ISO 27001, CIS Controls, GDPR

**AI/ML & Data Tools:** Scikit-learn, TensorFlow, Pandas, NumPy, PyTorch

**Cloud & DevOps:** AWS, Docker, Automation (Python/Bash)

## Certifications

- Google Cybersecurity Professional Certificate - Coursera
- Hack The Box Academy Courses
- CompTIA Security+ (In Progress)

## Projects

### Identity & Access Management (IAM) Risk Assessment Report (2024)

- Conducted IAM risk assessment to identify security vulnerabilities in authentication and access control.
- Evaluated compliance gaps against ISO 27001, NIST CSF, and CIS Controls.
- Identified critical risks such as excessive user privileges, weak passwords, and orphaned accounts.
- Proposed and implemented mitigation strategies, including RBAC enforcement, MFA deployment, and automated access reviews.
- Improved IAM security posture, reducing unauthorized access risks and ensuring regulatory compliance.

### Privileged Access Management (PAM) Implementation

- Designed and deployed a Privileged Access Management (PAM) system to protect critical accounts.
- Implemented least privilege access controls to minimize insider threats.
- Integrated session monitoring and automated privilege escalation tracking.
- Ensured compliance with ISO 27001 (A.9), NIST CSF, and CIS Control 6.
- Reduced unauthorized privileged access risks by 40%.

### Multi-Factor Authentication Deployment

- Implemented Multi-Factor Authentication (MFA) across enterprise systems.
- Enhanced authentication security using biometric, token-based, and OTP methods.
- Developed MFA policies aligned with NIST SP 800-63 guidelines.
- Reduced phishing and credential-based attack risks by 60%.

### Fashion Classification (2021)

- Classify image based on ImageNet classes using transfer learning on Keras Xception model
- Deployed model trained from small subset on AWS lambda
- Created a docker container for the model
- Learnings - Image preprocessing pipelines | convolutional layers | TFLite

### Covid 19 Case Study (2021)

- Objective to visualize various factor relations using EDA principals
- Used Plotly to create unique geographical graphs with interactive features
- Used Kaggle as run environment and to find datasets

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## Community Involvement

- BugCrowd: Bug bounty participant
- Google Developer Student Club: Active member

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## Leadership & Activities

- Vice Captain - University Basketball Team: Demonstrated leadership, team management, and commitment
- Lead Organizer - SiNUoid Tech Fest: Actively led technical teams and event execution