Sai Ganesh Grandhi

SECURITY ANALYST – Privileged Access Management, Single Sign-on, Identity Management

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SKILLS

- **Security Tools**: Okta, OpenLDAP, CyberArk, Delinea for identity and access management enforcement.
- **Security Frameworks**: Zero Trust, PAM, RBAC, SSO, SAML 2.0, and NIST Compliance standards.
- **Risk & Compliance**: NIST SP 800-53, discovery audits, detailed process documentation for compliance.
- **OS & Network**: UNIX/Linux, Windows Server administration, DNS configuration, firewall management.
- **Data Analysis**: Python, Bash, SQL, Pandas, Excel Power Query for automation and exploratory analysis.

WORK EXPERIENCE

Security Analyst / IAM Analyst   **July 2019 – February 2023**
Cognizant Technology Solutions   *India*

- Conducted NIST SP 800-53-based access audits on 600+ UNIX endpoints, remediated 200+ orphaned accounts & strengthened compliance reporting by 42% via standardized audit documentation & process flow remediation.
- Directed Level 1 operations team of five analysts managing IAM systems including Okta, CyberArk & Delinea, reducing incident response time by 31% using escalation matrices & privilege assignment monitoring procedures.
- Integrated 30+ SaaS platforms with SAML 2.0 & OpenID Connect configurations, eliminating password based logins for 2,000+ users & reducing identity based access failures by 55% in compliance-controlled environments.
- Engineered RBAC strategies by aligning Active Directory structures with business functions, controlling access to 400+ UNIX servers and eliminating redundant permission layers through scoped security group hierarchies.
- Configured & managed PAM policies using CyberArk PVWA, CPM & Digital Vault, securing 500+ privileged credentials & decreasing credential misuse incidents by 60% across healthcare sector production environments.
- Collaborated with 10+ infrastructure & audit teams to define 50+ RBAC entitlements for Linux systems, reducing audit exception by 45% & improving request response traceability via structured mapping protocols.

Security Intern / Trainee   **January 2019 – June 2019**
Cognizant Technology Solutions   *India*

- Executed access configuration audits using RBAC and PAM protocols across five IAM platforms, improving policy adherence accuracy by 37% and identifying 12 mis-configured permission instances in real-time productions.
- Collaborated across IAM solution teams to simulate 20+ SSO and LDAP-based scenarios using Okta and Azure AD integrations, decreasing incident resolution time by 28% through improved object-level permission debugging.

ACADEMIC EXPERIENCE

Graduate Assistant   **September 2023 – December 2024**
University of Windsor   *Ontario*

- Facilitated Java and media tech labs to 50+ students weekly, coordinating curriculum goals and lab logistics.
- Resolved 100+ coding queries during support hours, ensuring academic compliance & debugging using Java.
- Evaluated 200+ assignments & exams, providing rubric-based scoring and traceable feedback via course portals.

PROJECT

SSO Integration   **May 2024 – Present**
IAM Analyst, Ontario   GitHub

- Configured SAML 2.0 trust between Okta and ServiceNow, federated 100+ Azure Entra ID users & mapped routing rules to streamline SSO login, attribute-based access and redirection to service provider dashboards.
- Built Just-In-Time provisioning & Dockerized PHP app with SSO integration; automated real-time creation of 50+ users using Okta API calls, streamlining identity onboarding & reducing manual account provisioning tasks.

EDUCATION

Master of Science in Computer Science   April 2023 – January 2025
University of Windsor, Ontario

Bachelor of Technology in Computer Science and Engineering   June 2015 – April 2019
GITAM Deemed to be University, India

PUBLICATIONS

- **Evaluating Long-Term Viability of Eye-Tracking for Continuous Authentication in Virtual Reality**
  Peer-reviewed conference article, accepted and presented at CCNET 2025 Conference — February 2025.
- **Evaluating VR/AR Security through Continuous Authentication via Eye Tracking Movements**
  Master's thesis, presented, defended, and accepted by University of Windsor — January 2025.