

Venkat Kandhipati

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EDUCATION

Georgia Institute of Technology

Master of Science in Cybersecurity

Atlanta, GA

Expected May 2027

University of California, Irvine

Bachelor of Science in Computer Science and Engineering

Irvine, CA

Oct. 2020 – June 2023

EXPERIENCE

Security Engineer II

GEICO

July 2024 – Present

Chevy Chase, MD

- Automated enterprise Zero Trust provisioning through a fully self-service flow, enabling 3 network engineers to onboard 30,000+ applications at 20x prior manual throughput and migrate 40,000 associates off legacy VPN.
- Cut median security approval turnaround from 2 days to 60 minutes across 30+ requests per day by automating the previously manual enterprise-wide URL whitelisting and ZTNA application onboarding behind validation and automated approval gates via Python.
- Built integrations for the backend Django API behind the Cyber Services app, connecting Zscaler, Microsoft Entra, Confluence, and internal GEICO tools via REST APIs & SDKs to automate actions including Zscaler configuration and Entra IAM updates, all shipped through GitHub Actions CI/CD with canary deployments and tests.
- Developed a stateful Mock API alongside our backend API that uses DNS interception to redirect vendor API calls and return mock responses, enabling safe development and testing without live calls to vendors.
- Led incident response after an upstream automation exhausted enterprise blocklist capacity: audited 25k entries, purged 40% as invalid, and shipped pre-write validation and alerting to prevent recurrence.
- Built a risk-identity microservice syncing Entra ID group membership into Zero Trust access groups hourly, classifying risk on each pass and flagging high-risk changes for manual review.

Software Engineering Analyst

Deloitte

Oct. 2023 – July 2024

Los Angeles, CA

- Developed a custom application adopted by 200+ consultants that tracked and visualized cross-departmental interactions, becoming a daily tool in active client engagements.
- Engineered the C# backend processing daily interaction data, delivering accurate real-time streams to the frontend visualization layer.

Security Engineer, Intern

Alteryx

June 2023 – Sept. 2023

Irvine, CA

- Reduced phishing triage time by 20% by building a Tines SOAR playbook that auto-enriches reported emails against VirusTotal, URLScan, and internal Snowflake telemetry.
- Reduced mean time to detect vulnerable dependencies by building continuous vulnerability scanning of production endpoints through a real-time asset inventory with package-version visibility for the security team.
- Built data-ingestion workflows on Alteryx's low-code platform, Alteryx Designer.

PROJECTS

Self-Hosted Home Lab Server | *Linux, Docker, Raspberry Pi*

June 2020 – Present

- Architected a secure, self-hosted Linux environment using Docker to orchestrate containerized services including a password manager, reverse proxy, and file hosting.
- Hardened network security by deploying a DNS sinkhole (Pi-hole) to block ads and tracking at the network level.

Kathalu - Telugu Language Learning App | *Swift, FastAPI, Supabase*

March 2026 – Present

- Built a native iOS/iPadOS app teaching Telugu via an interactive story reader with text-to-speech, a gamified lesson path, and spaced-repetition flashcards.

TECHNICAL SKILLS

Languages: Python, Django, SQL, Bash, C#

Identity & Access: Entra ID, SCIM provisioning, RBAC & least privilege, Zscaler ZPA/ZIA, Zero Trust Architecture

Cloud & Infrastructure: Azure, AWS (Boto3), Kubernetes, Docker, Linux, GitHub Actions, Git

Security & Observability: Security Automation, Incident Response, Prometheus, Grafana, Tines (SOAR, Core Certified Sep 2023), CrowdStrike, Proofpoint, Burp Suite, Wireshark