

Nadipena Varunkumar

Application Security Engineer | Full Stack Developer

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Professional Summary

Security Engineer with hands-on experience in VAPT, DevSecOps, and AI/LLM security research. Identified 10+ high-severity vulnerabilities across LLM-integrated systems and web applications; built and secured full-stack platforms following OWASP SDLC with automated CI/CD pipelines.

Skills

- **Languages:** Python, JavaScript, SQL, Bash
- **Backend & Databases:** Node.js, Express.js, Django, MongoDB, PostgreSQL, MySQL
- **Frontend & DevOps:** React, Next.js, Tailwind CSS, Docker, AWS, Azure, CI/CD, GitHub Actions
- **AI / GenAI:** LangChain, LangGraph, RAG, Prompt Engineering, Guardrails AI, Gemini API, Vector Databases
- **Security:** OWASP Top 10, OWASP LLM Top 10, VAPT, STRIDE, MITRE ATT&CK, JWT, OAuth 2.0, RBAC, IAM
- **Tools:** Burp Suite, Metasploit, Nmap, Wireshark, Git, Linux, Postman

Education

Aditya Institute of Technology and Management

B.Tech in Information Technology — CGPA: 7.94 / 10.0

Andhra Pradesh

Aug 2022 – May 2026

Work Experience

Technology Intern — Infrastructure & Networking

Hyderabad

Kroll Inc.

Feb 2026 – Present

- Managed AWS and Azure cloud infrastructure for 5+ enterprise clients; enforced IAM policies and firewall rules, achieving 99.9% uptime SLA compliance
- Standardized Linux, DNS, VPN, and firewall configurations via runbooks, cutting misconfiguration incidents by 30% and incident resolution time by 25%

Web Developer Intern

Remote

Victoire System Solutions

Aug 2025 – Jan 2026

- Built 3+ full-stack applications using Django, PostgreSQL, and Docker with containerized CI/CD pipelines, reducing deployment time by 40%
- Implemented JWT, OAuth 2.0, and RBAC for 1,000+ user environments; identified and remediated 10+ OWASP Top 10 vulnerabilities (SQLi, XSS, IDOR) using Burp Suite

Cybersecurity Research Intern

Remote

ResilientShield Cyber Solutions

Jun 2025 – Jul 2025

- Assessed 5+ LLM-integrated systems using OWASP LLM Top 10 and STRIDE threat modeling; discovered 5 high-severity vulnerabilities including prompt injection and model inversion
- Delivered formal VAPT reports with CVSS scoring covering SQL Injection, IDOR, authentication bypass, and cloud misconfigurations

Projects

PlagDetect — Next.js, PostgreSQL, Gemini API, LangGraph, RAG | 🌐 GitHub

Jan 2026 – Present

- Built AI-powered plagiarism detection platform using LangGraph RAG pipelines; achieved 92% detection accuracy across text, code, and images on a 10K+ document test corpus
- Shipped Manifest V3 Chrome Extension for real-time plagiarism analysis across webpages and GitHub repos, reducing manual review effort by 60%

StoryCraft — Next.js, MongoDB, Socket.IO, LangChain | 🌐 GitHub

Mar 2025

- Built full-stack AI story marketplace with real-time Socket.IO communication, JWT refresh token rotation, RBAC, and OWASP-compliant API workflows

Hotel Management System — Django, PostgreSQL, Docker | 🌐 GitHub

Jun 2024 – Aug 2024

- Dockerized hotel platform with RBAC, QR-code billing, and optimized PostgreSQL queries reducing query time by 35% across 200+ daily transactions

Certifications

- AWS Cloud Practitioner (2024)
- CNSP (2025)
- APIsec Certified Practitioner
- ServiceNow CSA (2025)
- OCI AI Foundations (2024)

Achievements & Leadership

- **Winner — Cursors 2k26 Hackathon (100+ teams)** – AI security tool ranked #1 by judging panel
- **Winner — Cursors 2k25 Hackathon** – Consecutive hackathon wins demonstrating applied security + AI build capability
- **Tech Lead — Avishkaar Season 3 National Hackathon** – Led 5-member team on a security-focused solution
- **Student Mentor — Security Club, AITAM** – Mentored 30+ students in cybersecurity and ethical hacking
- **Medium Blogger:** medium.com/@varunnadipena – Technical articles on cybersecurity and AI security