

# NAVEEN REDDY POGALLA

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## EDUCATION

### The Pennsylvania State University

Master of Science - **Cybersecurity Analytics and Operations** | GPA: 4.0/4.0

University Park, PA

Expected - May 2025

*Courses: Network Security, Penetration Testing, Information Assurance, Cybersecurity Analytics, Software Security*

*Research: **Smart Meter Data Privacy: Impact of data collection on privacy and risks storage, transmission, and misuse.***

### Shri Ramdeobaba College of Engineering and Management

Bachelor of Engineering - Computer Science and Engineering

Nagpur, India

August 2018 - June 2022

*Courses: Operating Systems, Database Management Systems, Computer Networks, Introduction to IoT, Enterprise Systems*

## SKILLS

Tools Nmap, Nikto, Packet Tracer, Wireshark, Burp Suite, Metasploit, Nessus, FTK, WAFW00F, SQLMap, Autopsy

Languages **Python**, Bash Scripting, SQL, HTML, CSS, JavaScript

Technical **Network Security, Cloud Security**, Penetration Testing, Red Teaming, Application Security, TCP/IP, OSINT, Skills Vulnerability Assessment, **Incident Response**, Social Engineering, Governance Risk & Compliance, SDLC, SAST, DAST, Secure Configuration of **Firewalls**, Routers, Switches, MITRE ATT&CK, Secure Code Review, DLP

Soft Skills **Leadership**, Communication, **Client Relationship**, **Project Management**

## CERTIFICATIONS

- **CompTIA Security+ SY0-701**
- **Certificate of Cloud Security Knowledge (CCSK)**
- **Cisco Certified Network Associate (CCNA)**
- **Onetrust Third Party Risk Management Professional**

## PROFESSIONAL WORK EXPERIENCE

### GRANT THORNTON LLP

Cybersecurity Consulting | Role: **Cybersecurity and Privacy Intern**

June 2024 - Aug 2024

Philadelphia, PA, USA

- Worked on developing an **AI-powered red team tool** aimed to test and enhance security configurations of LLMs.
- Conducted maturity & Privacy Impact Assessments(**PIA**), and information Security Management Systems(**ISMS**) audits, achieving **100%** compliance with **ISO 27001** standards and identifying critical security improvements.
- Executed Privacy Information Management System (**PIMS**) audits in line with **ISO 27701** standards, significantly improving clients' data privacy practices and reducing data breach risks by **30%**.

### THE PENNSYLVANIA STATE UNIVERSITY

Teaching Assistant

Jan 2024 - May 2024

University Park, PA, USA

- Assisted professor for courses - EA 876: **Architecting Enterprise Security and Risk Analysis**, and IST 866: **Threat Hunting and Offensive Cybersecurity**.
- **Delivered lectures**, held office hours, graded assignments for 50+ students, and developed lab materials.

### ERNST & YOUNG

Cybersecurity Consulting | Role: **Senior Security Analyst**

Feb 2022 - July 2023

Mumbai, India

- Conducted thorough **security assessment** of 250+ **firewalls**, **switches**, and **routers** during a **ransomware attack**, delivering detailed recommendations that enhanced security posture under tight deadlines.
- Executed **VAPT & Red Team assessments** for **Fortune 500 clients**, identifying critical vulnerabilities and improving system security across 100+ internal and external systems on Windows and Linux platforms.
- Leveraged expertise in **OWASP Top 10** and **CWE 25** to conduct security assessments on **25+ web applications**, identifying and mitigating critical vulnerabilities, reducing risk by 40%.
- Conducted comprehensive **cloud security audits** for major steel manufacturers, identifying and mitigating vulnerabilities, ensuring 100% compliance with industry standards and protecting sensitive data across **AWS**, **GCP**, and **Azure** platforms.
- Conducted **offensive cyber drills** and simulations, enhancing **incident response** preparedness; developed and refined playbooks and readiness activities, significantly improving client response capabilities.
- Drafted **technical proposals**, onboarded three new clients; **mentored 4 interns**, enhancing team collaboration.
- Awarded for outstanding client delivery in **firewall restoration & leading the network team** in incident response, achieving a **65% reduction** in response time.

### HITACHI VANTARA

Security Engineering | Role: Security Intern

Jan 2022 - Feb 2022

Hyderabad, India

- Collaborated with **Incident Response** teams to analyze incidents and implement strategies, enhancing network security.
- Executed **phishing campaigns**, enhancing Red Team efforts, identifying security gaps, and boosting client readiness by **40%**.

## PROJECT WORK EXPERIENCE

### Automated Rotoscoping Tool

Feb 2021 - May 2021

- Led the development of a PyTorch & OpenCV-based rotoscoping tool, automating video rotoscoping to boost VFX efficiency.
- Utilized OpenCV & PIL to process video streams, performed semantic segmentation to classify,render 21 distinct pixel features.