

Rohith Donthula

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EDUCATION

Yeshiva University, Katz School of Science and Health, New York, NY

May 2026

Master of Science in Cybersecurity

Relevant Courses: Cybersecurity Foundations, Architecture of Secure Operating Systems, Network, Data and Communication Security, Cybercrime, Cyberwar, and Threat Actors, Cybersecurity Audit, Assessment and Training

Jawaharlal Nehru Technological University Hyderabad

July 2023

Malla Reddy Institute of Technology - Hyderabad, India

Bachelor of Technology in Computer Science and Engineering

CERTIFICATIONS

CompTIA Security+, Advanced Certificate Program in Cybersecurity - IIIT Bangalore, SOC Hands-On Lab

Google Cybersecurity Professional Certificate, Coursera

SKILLS

Programming: Python, Java, C++, PowerShell, Bash, SQL

Security Software: Wireshark, Nmap, Kali Linux, Metasploit, Burp Suite, OWASP ZAP,

Security Practices: Incident Response, Risk Assessment, Secure Network Architecture, Penetration Testing, Cryptography, Access Control Models

Operating Systems & Tools: Linux, Windows Server, VMware, Docker, AWS Security, Git

Networking & Security Protocols: TCP/IP, DNS, VPN, Firewalls, IDS/IPS, TLS/SSL, Zero Trust Security

PROFESSIONAL EXPERIENCE

Virtual Cybersecurity Industry Intern, Security Industry Simulated Training & Mentoring Research, Virtual

Jun 2022 – Nov 2022

- Enhanced security measures by implementing security policies, and conducting regular vulnerability assessments, leading to a 30% increase in threat detection and a 50% reduction in response time, utilizing Intrusion Detection Systems, Firewalls, and SIEM

Intern, Remark Skills, Hyderabad, India

May 2021 – July 2021

- Designed and implemented a Linux security firewall to prevent 50% of backdoor attacks, integrating internet-level honeypots in cloud environments to enhance network security.
- Configured network-based honeypots using Python, Bash, and VirtualBox, achieving 80% prevention of external web attacks through traffic analysis and malicious attempt detection/blocking.

PROJECTS

Advanced Certificate Program in Cyber Security from IIIT Bangalore

Sep 2023 – May 2024

Zero Trust Electronic Voting System(ZTEV)

- Developed and deployed a Zero Trust Electronic Voting System (ZTEV) to mitigate security risks from BYOD and limited device monitoring, strengthening employee engagement in secure decision-making.

Capstone Project- Team Lead

July 2023

PMRSS: -Preserving Medical Record Searching Scheme for Intelligent Diagnosis in IoT Healthcare

- Led a team of 3 members to develop a product in a short timeframe, Developed Privacy-preserving Medical Record Searching Scheme for Intelligent Diagnosis in IoT Healthcare in strict compliance with HIPAA requirements, ensuring an untraceable use of medical data.

Mini Project - Team Lead

Jan 2023

FBI Crime Analysis and Prediction using Machine Learning

- Improved project organization in an FBI Crime Analysis and Prediction project using Machine Learning.
- Developed models achieving 90% accuracy in predicting crime rates, enabling proactive responses to high-crime areas.

ACHIEVEMENTS

Achieved 2nd place in a Capture the Flag (CTF) competition hosted by Yeshiva University, showcasing expertise in penetration testing, vulnerability exploitation, and problem-solving under time constraints.