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 2024Zero 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.