

THARUNADITYA ANUGANTI

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OBJECTIVE

A highly adaptable and self-driven cybersecurity engineer with a passion for continuous learning and innovation. Eager to explore and implement AI-driven security solutions, threat intelligence, and enterprise security enhancements. Seeking an opportunity to contribute to enterprise security by leveraging my ability to learn and apply cutting-edge technologies, ensuring robust and scalable security architectures.

SKILLS

Cybersecurity Tools: Wireshark, Metasploit, Burp Suite, Nessus, Nmap, Docker.

SOC & Monitoring Tools: ELK Stack, Splunk, EDR platforms, IDS/IPS Monitoring.

Core Competencies: Machine Learning for Cybersecurity, Vulnerability Assessment, Penetration Testing, Threat Intelligence, Incident Response, SIEM tuning.

Programming & Scripting: Python, C, Bash, HTML, CSS.

Soft Skills: Leadership, Problem Solving, Teamwork, Communication, Attention to Detail, Commitment to Excellence.

EDUCATION

Master of Technology in Cybersecurity Systems and Networks. [Secured a GPA of 8.69 till 1st Semester]

Amrita University, Amritapuri, Kerala, India

2024-2026

Relevant Courses: Modern Web application development and exploitation, System Security, Cyber Forensics and Incident Response, Network Security, Cryptography applications, Reverse Engineering and Malware Analysis, Machine learning for Cybersecurity, VAPT and IOT Security.

Bachelor of Technology in Computer Science and Engineering (Cybersecurity) [Secured a GPA of 8.19]

Vignana Bharathi Institute of Technology, Hyderabad, Telangana, India

2020-2024

Relevant Courses: Security and Incident Response Management, Vulnerability Assessment and Penetration Testing, Ethical Hacking, Cyber Crime investigation and Digital Forensics, Cryptography and Network Security and Cloud Security.

Achievements: My final-year project was selected as the best project in the department for the academic year.

Intermediate MPC [Secured a percentage of 89.2 %]

SR Junior College, Karimnagar, Telangana

2018-2020

Secondary School Education [Secured 10 CGPA]

Vivekananda Vidyanikethan High School, Metpally, Jagtial, India

2017-2018

ACADEMIC PROJECTS & SEMINARS

Automated Threat Intelligence Correlation Engine

(Research in Progress)

Utilizing cybersecurity event datasets from Kaggle to train machine learning models. Leveraging **supervised learning** for threat classification and **unsupervised learning** for anomaly detection. Exploring advanced correlation techniques to enhance detection accuracy and automate threat response. Implementing real-time dashboards for visualization and analysis.

AI-Powered Intrusion Detection Systems for IOT with Risk Scoring and Automated Response

(Research in Progress)

AI-powered IoT security framework that integrates real-time threat detection, risk scoring, and incident response. Exploring machine learning techniques for on-device anomaly detection and lightweight forensic logging. Investigating dynamic risk-based security enforcement to adapt in real-time, aiming to reduce false positives and improve threat response efficiency.

BugHunterX: A collaborative web penetration testing toolkit written in Bash script. Utilizes tools like Sub finder, Nmap, OWASP ZAP, and more for real-time vulnerability assessment, with notifications on Discord. Automated vulnerability assessments reduced manual effort by 40%.

NexGen SIEM (Security Information and Event management): A modern SOC architecture for the evolving threat landscape. Crucial in organizational security operations and leverages ELK stack, Docker, MITRE – ATT&CK framework for innovative alert systems. Enhanced threat detection and reduced incident response time by 25%. [[Explore this project](#)].

Enhancing Cyber Resilience: The Role of Threat Intelligence in Risk Management [[Explore this Seminar](#)]

Watch-Dog: Watchdog v1.0 is a Python-based program designed for capturing and analyzing network packets. It provides users with the ability to Monitor and gain insights into network traffic, making it a valuable resource for network administrators, cyber enthusiasts and anyone interested in understanding the flow of data across a network. [[Explore this Project](#)]

EXPERIENCE

Cybersecurity Internship

AICTE & Palo Alto Cybersecurity Academy

Mar, 2022 – May 2022

Certified in: Introduction to Cybersecurity, Network Security, Cloud Security, and SOC Fundamentals.

Gained practical knowledge of SOC workflows, network security, and cloud security principles.

Salesforce Developer Internship by AICTE, Smart bridge in association with Salesforce Apr, 2022 – May 2023

CERTIFICATIONS AND COURSES

Nano Degree Program on Ethical Hacking by Udacity – [Pursuing]

(Secured Bertelsmann Next Generation Tech Booster Scholarship)

Google Cybersecurity Professional (GCP)

Practical Ethical Hacking (TCM Security)

Certified Ethical Hacker by Cisco Netacad

Certified Cybersecurity Analyst (C3SA) Premium Edition by Cyberwarfare labs

Career Essentials in Generative AI by Microsoft and LinkedIn

Cybersecurity Essentials by Cisco Netacad

Certified AI/ML Pentester (C-AI/ML Pen) by SecOps Group (In progress)

Certified AppSec Practitioner (CAP) by SecOps Group (In progress)

Certified Cloud Security Practitioner – AWS (CCSP-AWS) by SecOps Group (In Progress)

AWS Academy Graduate - AWS Academy Cloud Foundations

AWS Academy Graduate - AWS Academy Machine Learning Foundations

LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES

Cybersecurity Content Maker

Regularly publish articles and blogs on [LinkedIn](#) and [Medium](#) to educate cybersecurity enthusiasts about tools, technologies, and best practices

Ex- Chairperson, ABHEDYA (Cybersecurity Forum of VBIT)

Feb, 2022 – May, 2024

Organized Cybersecurity workshops and trained 400+ students in Ethical hacking and Cybersecurity awareness.

Led a team of 40 to organize the cybersecurity awareness programs across the campus.

Chronos Hackathon Winner (Organized by **EpsilonPi** Machine Learning Forum, VBIT)

Secured 2nd place among 50+ teams for developing **SubChirp**, a prototype that monitors subscription plans across applications and suggests optimal plans by analyzing user usage patterns.

Member of SHODH (Research and startup development initiative, VBIT)

Jan, 2021 – May, 2024

Developed the concept for **SWASTA**, an IoT wearable for monitoring health parameters (SpO2, heart rate) and alerting doctors during abnormal spikes via a connected application.

LANGUAGES

English (Fluent)

Hindi (Intermediate)

Telugu (Fluent)

German (Basic)