THOMAS A

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Bachelor of Technology
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EDUCATION

•**Bachelor of Technology in Computer Engineering (Specialisation in Cyber Security)** — *2022-2026*
Karunya Institute of Technology and Sciences, Coimbatore — CGPA: 8.01

•**12th Grade, Computer Science (Percentage: 77.8%)** — *2022*
Annai Velankanni Metric Higher Secondary School

•**10th Grade (Percentage: 94.6%)** — *2019*
Annai Velankanni Metric Higher Secondary School

PROJECTS

•**Credit Card Encryption and Decryption**
System for securely encrypting and decrypting credit card data. Technology Used: Python, AES Encryption, Flask, HTML

•**Keylogger Software**
Tool for recording keystrokes to analyze user activity for security testing. Technology Used: Python, pynput

•**Web Based Facial User Authentication System**
Facial authentication system with multi-factor security. Technology Used: Python, Flask, Pillow, Numpy, OpenCV

•**Image Encryption and Decryption**
Developed an encryption and decryption algorithm to secure image files from unauthorized access. Technology Used: Python, PIL

•**Investigation of a Data Breach at ABC SecureBank**
Analyzed a data breach at a major financial institution. Technology Used: Various cybersecurity tools and methodologies

•**Network Vulnerability Assessment with Nessus**
Conducted a thorough vulnerability assessment of network infrastructure. Technology Used: Nessus, Networking Tools

•**Creating and Analyzing APK Backdoors**
Explored and analyzed vulnerabilities in APK files to understand backdoor threats. Technology Used: Ahmyth, Genymotion

•**Performing and Analyzing a Networking Attack**
Simulated and analyzed various network attacks to test security measures. Technology Used: Kali Linux, Metasploit

EXPERIENCE

–**Cyber Security Intern (Virtual)** — *April 2024 - August 2024*
EXTION INFOTECH
  · A dynamic cybersecurity firm known for cutting-edge security solutions and innovative threat detection. Awarded a 3-month internship extension and a Letter of Appreciation for outstanding performance.

–**Cyber Security Intern (Virtual)** — *July 2024 - September 2024*
SLASH MARK COMPANY
  · A leading cybersecurity firm specializing in state-of-the-art encryption solutions and advanced threat mitigation strategies, dedicated to robust data protection.

–**Capture The Flag (CTF) Participation**
  · Participated in CTF events hosted by IIT Kanpur (HACK_IITK) and IIIT Kottayam (Apoorv CTF).

SKILLS

–**Hard Skills** Ethical Hacking, Networking, Open Source Intelligence (OSINT), Data Encryption and Decryption, Programming (Python, C, Java), Security Tools(Metasploit, Burp Suite, Wireshark, Nmap)

–**Soft Skills** Problem-Solving, Analytical Thinking, Communication, Time Management

CERTIFICATIONS

–**Coursera: EC-Council Ethical Hacking Essentials (EHE)**
–**Coursera: Google Cybersecurity Certificate**
–**Microsoft: Security, Compliance, and Identity Fundamentals (SC-900)**
–**Internshala: Ethical Hacking Training**
–**Cisco: Networking Basics, Introduction to IoT, Programming Essentials in Python and C**
–**Coursera: Foundation of Project Management**