Anand Pandey

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EDUCATION

VIT Bhopal University	**CGPA: 8.83**
Bachelor of Technology, Computer Science and Engineering	**Oct 2022 – onwards**
UMA SHANKAR VIDYAPEETH	Mar 2019
10TH Standard CBSE BOARD	89%
UMA SHANKAR VIDYAPEETH	Mar 2021
12TH Standard CBSE BOARD	97%

SKILLS

- **Technical Skills:** Java, C++, Linux, Cyber Threat Intelligence, Network Security, Ethical Hacking, Incident Response
- **Tools:** Ghidra, Wireshark, Nmap, njRat, ADS Spy, Autopsy, BillCypher, GRecon, Burp Suite, Metasploit
- **Soft Skills**: Leadership, Event Management
- **Relevant Courses:** Ethical Hacking, Security Analyst, Cyber Physical Systems, Cybercrime and Laws, Advanced Cyber Security.

PROJECT EXPERIENCE

1. Malware Analysis Using Method Identifiers   Aug 2025

- Analyzed WannaCry ransomware in a secure REMnux setup, identifying 12 key signs of infection (IoCs) to help detect
- Expedited incident response procedures by 30% through the implementation of a streamlined malware analysis pipeline leveraging REMnux and FLARE VM
- **Findings: Identified key Indicators of Compromise (IoCs), and obfuscation techniques.**
- **Impact:**
  - Achieved 98% accuracy in malware classification.
  - Reduced manual analysis time by 35% through automated method tracing.
  - Enhanced detection efficiency by 40% using network simulation.
- **Technologies: Kali Linux, Virtual Machine, REMnux, Flare VM, INetSim**
- Project Link: **Research Malware**

2. Malware Analysis by Reverse Engineering   Jul 2024

- Reverse-engineered WannaCry & Scareware malware using Ghidra to analyze function call patterns and detect vulnerabilities.
- Developed Python automation to detect exploitable functions & malware entry points.
- Findings: Identified three major attack vectors used for privilege escalation & remote execution.
- **Impact:**
  - Reduced malware analysis time by 40% via automated function identification.
  - Discovered 5 key vulnerabilities exploited for system compromise.
  - Improved accuracy of vulnerability detection by 30% using Python automation.
- **Technologies: Kali Linux, Java, Python, Ghidra**
- Demo Link:
  https://github.com/AnandPandey357/MALWARE-ANALYSYIS-USING-GHIDRA

3. Live Cryptocurrency Price Tracker Web App   Feb 2023

- Developed a responsive web application that fetches real-time cryptocurrency prices (Bitcoin, Ethereum, Dogecoin) using the CoinGecko public API.
- Designed an engaging and modern UI using HTML and CSS with custom styling and background images for a professional aesthetic.
- **Technologies Used:** HTML, CSS, JavaScript, CoinGecko API

EXTRA-CURRICULARS AND ACHIEVEMENTS

- **Finalist – Internal SIH, VIT Bhopal University (Sep 2024)**
- **Winner** – Project Expo (Cyber Physical Systems, Industrial Conclave)
- **Hacker rank:** 3-Star in Java
- **Google 2024** – Bits and Bytes of Computer Networking

CERTIFICATIONS

- **Certified Ethical Hacker (CEH)** – EC Council
- **Cyber Security Analyst –** IBM
- **GEN AI Using IBM Watsonx –** IBM
- **Foundations of Cyber Physical Systems** – NPTEL
- **Introduction to Cyber Security** – CISCO
- **Reverse Engineering: Ghidra** – Udemy