

MUHAMMED FARIS

Certified Ethical Hacker | Certified Penetration Tester

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Professional Summary

Cybersecurity Engineer with a core focus in offensive security and foundational experience in security operations. Holds the Certified Ethical Hacker v13-AI (EC-Council) credential, with strong hands-on practice in penetration testing, vulnerability assessment, and scripting security tools. Experience includes executing simulated attacks on web and network infrastructure, writing automation scripts in Python and Bash, and participating in red teaming activities. Familiar with Splunk and Wazuh for basic SIEM use cases, such as log collection, filtering alerts, and conducting initial triage. Interested in expanding defensive capabilities while continuing to build offensive security expertise within structured SOC and engineering environments.

Skills

- Ethical Hacking & Offensive Security : Web, Network, API Penetration Testing, Red Teaming, Exploit Development, Adversary simulation
- Security Operations (Basic): Splunk (SPL), Wazuh, SIEM Fundamentals, Log Monitoring, Alert Investigation
- Application Security Testing : OWASP Top 10 (SQLi, XSS, SSRF), Android Pentesting(Reverse Engineering, Static & Dynamic Testing)
- Vulnerability Assessment & Management : Nmap, OpenVAS, Nessus, Nikto
- Security Tools & Frameworks : Metasploit, Burp Suite, Wireshark, Hashcat, John the Ripper, OSINT Techniques
- Threat Intelligence & Malware Analysis : Reverse Engineering, YARA Rules, MITRE ATT&CK, Behavior Analysis, Threat Hunting, VirusTotal
- Programming & Automation : Python, Bash, PowerShell – for Security Tooling, Automation, and Scripting
- Cryptography & Secure Data Handling: AES, RSA, Hashing (SHA, MD5), Steganography
- Identity and Access Management : Active Directory
- Cybersecurity Research & AI-Driven Security : AI-enhanced threat detection and automation aligned with CEH v13-AI methodologies
- Governance, Risk & Compliance(GRC) : Develop and maintain basic policies aligned to NIST and ISO/IEC 27001 standards
- OS & Support Tools : Windows (Client, Server), Linux (Ubuntu, CentOS), Remote Desktop Support (AnyDesk)

Experience

Red Team Hacker Academy

Calicut, Kerala, India

Cybersecurity Researcher

September 2024 - May 2025

- Conducted red team assessments and researched attack methodologies in simulated labs
- Performed hands-on penetration testing on web, network, and API targets
- Used Metasploit, Wireshark, and Burp Suite for hands-on penetration testing
- Developed Python/Bash scripts to automate recon and vulnerability analysis
- Participated in CTFs and advanced threat simulation labs

Skill Vertex

Bangalore, Karnataka, India

Application Security Intern

August 2023 - September 2023

- Designed and implemented a secure image encryption/decryption tool using AES encryption (CBC mode) in Python.
- Developed an intuitive Tkinter-based GUI to enable seamless user interaction and encryption workflows.
- Conducted vulnerability assessments and improved cryptographic handling to enhance application security and resilience.

Education

Visvesvaraya Technological University
Bachelor of Engineering in Computer Science

Karnataka, India
December 2020 - May 2024

Certifications

- **Certified Ethical Hacker v13-AI** – *EC-Council*
Industry-recognized certification demonstrating advanced expertise in offensive security, ethical hacking, AI-driven threat detection, and penetration testing of networks, applications, and systems.
 - **Certified Penetration Tester v3** – *RedTeam Hacker Academy*
Practical training in exploit development, red teaming operations, and full-scope penetration testing methodologies aligned with real-world attack scenarios.
 - **Cisco Certified Ethical Hacker** – *Cisco Networking Academy*
Credential validating foundational knowledge in cybersecurity principles, ethical hacking practices, and threat mitigation techniques.
 - **Python for Cybersecurity** – *Professional Training Program*
Completed in-depth training focused on automation, scripting, and custom security tool development using Python.
 - **ICFEST 2024 – International Conference on Frontiers in Engineering Science and Technology**
Participated and presented research on emerging technology innovations, contributing to knowledge exchange at a national academic forum.
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Key Projects

- **Image Encryption and Decryption**
Developed a Python Tkinter tool using cryptography for secure image storage and transmission.
 - **AI-Driven Disease Prediction System**
Built a machine learning model in Python for early disease detection from patient data.
 - **AI-Based Automated Scanning & Enumeration Tool**
Created an AI-powered cybersecurity tool to automate network scanning, vulnerability assessment, and enumeration, enhancing penetration testing efficiency.
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Additional Details

Languages : English (Fluent), Malayalam (Native), Hindi(Beginner), Arabic(Beginner)