

SARTHAK PATIL

CONTACT



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SKILLS

Programming Languages: C, Basic C++, Python, Basic Assembly, SQL

Operating System : Linux, Windows, Android

Security Tools: Wifite, aircrack-ng, Wireshark

EDUCATION

Bachelor Of Electronics & Telecommunication

ViMEET, Khalapur, Raigad
2022-Present

Mumbai University

PROJECTS

Slipper Zero:

WiFi Penetration Tool Based on ESP-32

(C++, ESP IDE, Wireshark)

- Developed ESP32 tool for Wi-Fi attacks (PMKID, handshake captures, deauthentication, Dos)
- Integrated PCAP traffic capture, HCCAPX parsing for Hashcat.
- Developed web-based management for easy configuration. Safe: Network Encryption Device

Especially safe:

Network Encryption device

(C, C++, Wireshark, SSL, TLS, DOH)

- Developed secure WiFi node for ESP-32 with WPA2/WPA3 and TLS/SSL Encryption
- Enabled Server verification using Trusted Root Certificate Authority
- Conducted security checks using GET requests.
- Validated security through Wireshark Logs.

Python Based SQL Database Management System

(Python, SQL, XAMPP)

- Developed a Student Management system for College
- Backend Operations based on SQL
- Front end GUI Based on Python
- Easy Storage of Data on Servers

ACHIEVEMENTS

Advanced IoT- Value Addition Program ViMEET (Winner)

Cybersecurity - Value Addition Program ViMEET (Winner)

Foundation Of IoT in edge Computing and ML - NPTEL

Participated in 3 Hackathons and received Special Mentions By the Jury