SIDDHESH SANJAY PATIL

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CAREER OBJECTIVE

Motivated Electronics and Telecommunication Engineering student with strong interest in Cybersecurity, Cloud Computing, and Networking. Seeking an entry-level role to apply hands-on skills in securing systems, analyzing threats, and managing cloud infrastructure.

EDUCATION

Bachelor of Engineering – Electronics and Telecommunication Engineering
Vishwaniketan Institute of Management Entrepreneurship and Engineering Technology
University of Mumbai October 2022 – July 2026

TECHNICAL SKILLS

- **Operating Systems:** Kali Linux, Ubuntu, Windows
- **Networking:** TCP/IP, DNS, DHCP, Subnetting, Routing, Firewalls
- **Cybersecurity Tools:** Nmap, Wireshark, Metasploit, Burp Suite, Aircrack-ng
- **Cloud & DevOps:** AWS EC2, IAM, S3, Docker, Git, GitHub
- **Scripting:** Bash, Python (Basic)
- **IoT Platforms:** ESP32, Raspberry Pi

CERTIFICATIONS & TRAINING

CCNA 200-301 Network Fundamentals February 2026
Simplilearn – Complete Networking Fundamentals

API Security Fundamentals October 2025
APIsec University

Introduction to Cybersecurity September 2025
Cisco Networking Academy

Cyber Xplore Bootcamp – Ethical Hacking, Digital Forensics & Web Security August 2025
Ghost Nett

Advanced IoT August 2023
Dnyanda Sustainable Engineering Solutions Pvt Ltd

PROJECTS & PRACTICAL EXPERIENCE

Slipper Zero – Wi-Fi Penetration Tool (ESP32) Aug 2024 – Oct 2024

- Portable Wi-Fi penetration testing tool built on ESP32 for assessing Wi-Fi security.
- Capable of authentication attacks, packet sniffing, and WPA handshake capture.
- Helps identify weak networks and improve security defenses.
- Used primarily for ethical hacking and penetration testing practice.
- Validated results through packet analysis and structured security reporting.

Privacy Pi – Secure IoT & Network Privacy Device May 2024 – Jul 2024

- Raspberry Pi-based device designed to enhance online privacy and security.
- Functions as a network firewall, ad-blocker, and VPN gateway.
- Protects connected devices from tracking, malware, and intrusive ads.

CableScope – AI-Powered Cable Fault Detection System Jan 2025 – Mar 2025

- Developed intelligent system for detecting and locating underground cable faults.
- Uses Time Domain Reflectometry (TDR) combined with machine learning.
- STM32 used for signal generation and acquisition.
- Raspberry Pi used for data processing and visualization.
- Improves maintenance speed and fault diagnosis accuracy.

KEY HIGHLIGHTS

- IEEE research paper published for the project *Sleeper Zero – Wi-Fi Penetration Tool Based on ESP32*.
- Winner – College-Level Cybersecurity Competition for the project *Sleeper Zero – Wi-Fi Penetration Tool Based on ESP32*.
- Winner – College-Level IoT Competition for the project *Privacy Pi – Secure IoT & Network Privacy Device*.
- Special Mention – MIT College Inter-College Hackathon 2024 for innovative cybersecurity and IoT-based project development.
- Hands-on experience with TryHackMe labs and practical cybersecurity training.
- Strong troubleshooting, analytical, and documentation skills.

PROFESSIONAL STRENGTHS

- Problem Solving: Strong analytical skills for troubleshooting network and security issues.
- Quick Learner: Ability to rapidly acquire new technical skills.
- Team Collaboration: Experience working in team-based technical projects.
- Documentation: Proficient in creating technical documentation and reports.