

# Rana Nilesh Vanikar

Pune, Maharashtra

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## EXPERIENCE

### Uniken

Android App Security Tester (Intern)

Aug 2024 - Present, Online

#### Electrical System Design for Electric Go-Kart

- Got introduced to mobile application framework.
- Learned how to decompile the mobile binaries.
- Static and Dynamic Analysis of Android apps.
- Identifying potential threats and vulnerabilities in applications.
- Conducting security audits and penetration testing to ensure the safety of applications.

### Cybage Software

Application Security Tester (Intern)

Dec 2023 - Feb 2024, Kalyani Nagar,  
Pune, Maharashtra

#### Application Security Testing

- Conducted Static Application Security Testing (SAST) using SonarQube.
- Performed Software Composition Analysis (SCA) with Cyclone DX and Dependency Track.
- Executed Dynamic Application Security Testing (DAST) and Vulnerability Assessment and Penetration Testing (VAPT) using industry-standard tools and followed the OWASP Web Security Testing guide.
- Set up and configured tools using Docker and Proxmox, including creating virtual environments for testing.
- Prepared comprehensive security testing reports detailing findings and recommendations.

### PICT CyberCell

Technical Head

Jul 2023 - Sep 24, PICT

#### Technical Leadership and Event Management

- Led technical operations for events, including the deployment and management of websites and vulnerable VMs for Capture the Flag (CTF) competitions.
- Managed the network and monitored it for the CTF event conducted by IIT Bombay Trust Labs and HSBC.
- Conducted sessions and seminars on networking and cybersecurity tools, including Nmap and Wireshark.

## PROJECTS

### AI-powered Deep Packet Analyzer

- Currently working on this project, we plan to analyze network packets with Machine learning
- Malicious packets will be filtered and/or notified to the network admin

### IoT Powered Power Over Ethernet (PoE) Device

- Developed an IoT-powered PoE injector with integrated sensors and a microcontroller to measure and report power transmission data to a dashboard.
- Created a PoE extractor for devices that do not support PoE, enabling them to be powered over the network.

### Multiple 3D printer orchestration using Raspberry Pi

- Robust IoT system designed to fully automate and monitor 3D printers.

## SUMMARY

As a passionate cybersecurity and networking enthusiast, I am an undergraduate engineering student at PICT specializing in Electronics and Telecommunications (EnTC). With hands-on experience in IT infrastructure, Linux and Windows systems, networking devices, and cloud platforms, I am dedicated to applying my cybersecurity skills to protect and optimize network systems. Looking forward to work in cybersecurity, networking, DevOps, and cloud domains to leverage my knowledge and contribute to a forward-thinking organization.

## SKILLS

Cybersecurity	Network Security, Web App Security
Programming Languages	Python, C++
DBMS	MySQL
Computer Networking	Networking, Ansible
DevOps	Docker
Cloud Computing	AWS, GCP
Other Skills	Digital Marketing
Languages	English (IELTS - 7.5), Hindi, Marathi

## EDUCATION

Pune Institute of Computer Technology (PICT)	Dec 2021 - Jun 2025 (Tentative)
Bachelor of Engineering - Electronics and Tele-Communications (EnTC)	
CGPA: 8.52/10	
Sir Parshurambhau College	2019 - 2021
Higher Secondary Certificate (HSC)	
Percentage: 82.3%	
Millennium National School	2019
CBSE	
Pune, Maharashtra Percentage: 92.8%	