

Rana Nilesh Vanikar

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EXPERIENCE

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 - Present, 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.

PICT Automobile Club - Torqscrew

Electrical Head Mar 2022 - Mar 2023, PICT

Electrical System Design for Electric Go-Kart

- Designed and implemented electrical systems, including battery management, motor controller integration, and wiring harnesses.
- Ensured the safety and reliability of the electrical components and systems.
- Managed the integration of small electronic components like tail lights and safety switches.

PROJECTS

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

- Used a Raspberry Pi to remotely access multiple 3D printers and automate the 3D printing process by handling exceptions in the printing process.
- Designed a gimbal to mount camera controlled by RPi for live feed.

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, 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%