

# RANA N. VANIKAR

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## EDUCATION

### Pune Institute of Computer Technology (SPPU)

BE Electronics and Telecommunications *GPA: 8.76*

Pune, Maharashtra, India  
Dec 2021 - July 2025 (Expected)

### SP College Pune

High School (HSC) PCM *Percentage: 82.83%*

Pune, Maharashtra, India  
June 2019 - May 2021

## WORK EXPERIENCE

### Uniken INC

*Intern - Mobile Application Security Tester*

Pune, Maharashtra, India  
Aug 2024 - Nov 2024

- Identifying potential threats and vulnerabilities in applications
- Static and Dynamic analysis
- Implementing robust security measures
- Conduct security audits and penetration testing to ensure the safety of applications
- Followed OWASP Top 10

### Cybage Software

*Intern - Web Application Security Tester*

Pune, Maharashtra, India  
Dec 2023 - Feb 2024

- SAST (Static Application Security Testing)
- SCA (Software Composition Analysis)
- DAST (Dynamic Application Security Testing)/Pen Testing
- Preparation of reports
- Followed OWASP Top 10 and OWASP WSTG

### PICT CyberCell

*Technical Head*

PICT, Pune  
July 2023 - Aug 2024

- Conducted workshops for Computer Networks and Network Security
- Created and Managed club events including CTF, Workshops, SIG etc
- Implemented network access solution for IITB+HSBC organized CTF event

## SKILLS

Programming Languages:	Python, Javascript, OOPS, Bash, Ansible
CyberSecurity:	OWASP top 10, Web and Android App Security, DevSecOps, Secure Cloud Deployments
Others:	DBMS(SQL), Operating Systems, DevOps, Docker, CI/CD, Git
Cloud Platforms:	GCP, AWS, Azure, DigitalOcean, Hetzner

## PROJECTS

### Home Lab Routers, Layer 3 switches, wireless access points, Proxmox node, Ansible, Zabbix

Built and managed a home lab with virtual machines and containers for hands-on experimentation in networking, cybersecurity, and system optimization. The setup provided a robust platform for enhancing technical expertise and efficient configuration management.

### IoT Powered Power Over Ethernet Injector and Extractor ESP32, ACS712, Azure, Grafana, InfluxDB

Developed an IoT-enabled Power over Ethernet (PoE) system with real-time power monitoring, custom PCBs for power injection and extraction, and a cloud-based dashboard for data visualization. Ensured reliability through rigorous testing and optimized performance for seamless power and data transmission.

### Multiple 3D printer orchestration RaspberryPI, AWS (For VPN Tunnel), Servo Motors, Ender3 3D printers

Developed a system for managing multiple 3D printers with centralized control through a secure web interface. Enabled remote access via a cloud-hosted VPN and designed a servo-powered gimbal for a single camera to monitor all printers. Streamlined operations with efficient and secure remote management.