

Vismaya Vinod Nair

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Education

VIT Bhopal University

B.Tech. in Cybersecurity and Digital Forensics

Sep 2022 – Present

CGPA: 8.33/10

Professional Experience

Cybersecurity Intern – Arada Developments

Nov 2024 – Dec 2024

Dubai, UAE

- Performed threat intelligence analysis and vulnerability assessments, reducing vulnerabilities by 30%
- Executed penetration testing using Kali Linux, Burp Suite, OWASP ZAP—identified 15+ major flaws
- Supported incident response procedures; configured Cloudflare security controls

Technical Projects

UNITY SERVE – NGO Empowerment Platform

Apr 2025

- Built microservices architecture with React + Node.js, serving 500+ daily users
- Integrated GPay payments, RBAC system, and Firestore real-time DB

CYPICS – Crime Reporting Android App

May 2024

- Secure Firebase auth with 99.8% uptime; SQL DB integration
- Cut emergency response time by 40% via real-time alert contact system

Coverless Image Steganography

May 2023

- Achieved 95.6 PSNR score for undetectable data-hiding in coverless images
- Implemented with OpenCV and NumPy for high-performance image manipulation

Technical Skills

- **Languages:** Python, Java, C++, SQL, JavaScript, HTML5/CSS3
- **Cybersecurity:** Kali Linux, Burp Suite, Nmap, Wireshark, Metasploit, OWASP ZAP, Cloudflare, CyberChef
- **Software Development:** OOPs, Data Structures & Algorithms, Git, GitHub CI/CD
- **Web/App Dev:** React.js, Node.js, Firebase, REST APIs, Bootstrap, Android Studio
- **AI/ML:** NumPy, Pandas, Matplotlib, Jupyter
- **Cloud & Tools:** AWS, Azure, Google Cloud, Docker, Excel, PowerPoint, Canva, Figma

Certifications

- IBM Cybersecurity Analyst • Microsoft UI/UX • MERN Stack (Ethnus) • EC-Council: Digital Forensics Essentials

Leadership Experience

Media & Marketing Co-Lead – Cyber Warriors Club

Apr 2024 – Present

VIT Bhopal

- Organized 5+ cybersecurity workshops; 200+ attendees
- Increased member engagement by 40% via social media campaigns

Core Creative Team – Mozilla Firefox Club

Nov 2023 – Present

VIT Bhopal

- Designed digital promos for open-source events

Achievements

- Top 10% – AlgoUniversity Accelerator Camp Scholar
- TCS CodeVita Season 12: Global Rank 2822/8765 (Top 32%)
- HackerRank: 5-star in Python and C++ — 314-day LeetCode streak