

# Arvind Sitaram Padyachi

+91-7303855170 [arvindpadyachi1@gmail.com](mailto:arvindpadyachi1@gmail.com) [LinkedIn](#) [GitHub](#) Mumbai, Maharashtra, India

## EDUCATION

<b>Parul University - Vadodara, India</b> <i>M.C.A. – Cyber Security and Forensics</i>	CGPA: 7.90/10 2024 – 2026
<b>Tilak Maharashtra University - Navi Mumbai, India</b> <i>B.C.A. – Computer Applications</i>	CGPA: 6.47/10 2021 – 2024

## INTERNSHIP EXPERIENCE

<b>Defronix Cybersecurity Pvt. Ltd.</b> <i>Python Developer Intern</i>	Jan 2024 – Apr 2024 Remote
<ul style="list-style-type: none"><li>Developed secure backend tools using Python, Flask, and Django.</li><li>Created automation scripts that reduced manual security checks by 40%.</li><li>Deployed honeypots that detected 5,000+ intrusion attempts during simulation.</li><li>Improved incident identification precision by 30% through enhanced monitoring systems.</li><li>Optimized internal testing workflows, reducing debugging time by 25%.</li></ul>	

## PROJECTS

<b>DefroxPot Honeypot System</b> <i>Team Size: 6</i>	<a href="#">Link</a> Jan 2024 – Jul 2024
<ul style="list-style-type: none"><li>Developed real-time honeypot system to simulate vulnerabilities and capture attacks.</li><li>Captured 5,000+ intrusion logs and analyzed patterns using custom Python scripts.</li><li>Built secure dashboard using Flask, WebSockets, and Tailwind CSS for live monitoring.</li></ul>	
<b>AI-Powered Drug Trafficking Detection System</b> <i>Team Size: 6 – Vadodara Hackathon 5.0 (2nd Place)</i>	<a href="#">Link</a> Sep 2024
<ul style="list-style-type: none"><li>Built an AI system to detect drug-related content across Telegram/social media feeds with 90% accuracy.</li><li>Used Python, NLP, OpenCV, and REST APIs to process and classify text/image content.</li><li>Developed full-stack web platform with Django and React to manage detection dashboards.</li></ul>	
<b>Movie Ticket Booking Platform</b> <i>Team Size: 2 – Personal Project</i>	<a href="#">Link</a> Nov 2024 – Dec 2024
<ul style="list-style-type: none"><li>Developed responsive booking system with real-time seat updates and confirmation.</li><li>Used PHP and MySQL for backend logic; integrated Bootstrap for mobile-first UI.</li><li>Optimized SQL queries to improve response time by 35%.</li></ul>	
<b>Leave Management System</b> <i>Team Size: 3</i>	<a href="#">Link</a> Sept 2025 – Oct 2025
<ul style="list-style-type: none"><li>Built a full-stack leave management system using React.js and REST APIs to automate student–faculty leave workflows.</li><li>Implemented RBAC and QR-based verification, improving approval accuracy by 30%.</li><li>Developed reusable React components and optimized routing, reducing UI load times to 120ms.</li><li>Automated approval steps, cutting manual processing time by 45% and reducing administrative workload.</li></ul>	

## ACHIEVEMENTS

- Runner-up – Vadodara Hackathon 5.0
- Mastering Industrial Projects – PHP, Project Management, Agile, Scrum, FTP

## TECHNICAL SKILLS

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- **Languages:** Python, JavaScript, Java
- **Frameworks:** Django, ReactJS
- **Cybersecurity:** Network Security
- **Tools:** Git, Kali Linux, REST API, Burp Suite
- **Web:** HTML, CSS, Bootstrap, Tailwind CSS
- **Databases:** MySQL, SQLite