

Arvind Sitaram Padyachi

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EDUCATION

Parul University - Vadodara, India
M.C.A. – Cyber Security and Forensics

CGPA: 7.90/10
2024 – 2026

Tilak Maharashtra University - Navi Mumbai, India
B.C.A. – Computer Applications

CGPA: 6.47/10
2021 – 2024

INTERNSHIP EXPERIENCE

Defronix Cybersecurity Pvt. Ltd.
Python Developer Intern

Jan 2024 – Apr 2024
Remote

- Developed secure backend tools using Python, Flask, and Django.
- Created automation scripts that reduced manual security checks by 40%.
- Deployed honeypots that detected 5,000+ intrusion attempts during simulation.
- Improved incident identification precision by 30% through enhanced monitoring systems.
- Optimized internal testing workflows, reducing debugging time by 25%.

PROJECTS

DefroxPot Honeypot System
Team Size: 6

[Link](#)
Jan 2024 – Jul 2024

- Developed real-time honeypot system to simulate vulnerabilities and capture attacks.
- Captured 5,000+ intrusion logs and analyzed patterns using custom Python scripts.
- Built secure dashboard using Flask, WebSockets, and Tailwind CSS for live monitoring.

AI-Powered Drug Trafficking Detection System
Team Size: 6 – Vadodara Hackathon 5.0 (2nd Place)

[Link](#)
Sep 2024

- Built an AI system to detect drug-related content across Telegram/social media feeds with 90% accuracy.
- Used Python, NLP, OpenCV, and REST APIs to process and classify text/image content.
- Developed full-stack web platform with Django and React to manage detection dashboards.

Movie Ticket Booking Platform
Team Size: 2 – Personal Project

[Link](#)
Nov 2024 – Dec 2024

- Developed responsive booking system with real-time seat updates and confirmation.
- Used PHP and MySQL for backend logic; integrated Bootstrap for mobile-first UI.
- Optimized SQL queries to improve response time by 35%.

Leave Management System
Team Size: 3

[Link](#)
Sept 2025 – Oct 2025

- Built a full-stack leave management system using React.js and REST APIs to automate student–faculty leave workflows.
- Implemented RBAC and QR-based verification, improving approval accuracy by 30%.
- Developed reusable React components and optimized routing, reducing UI load times to 120ms.
- Automated approval steps, cutting manual processing time by 45% and reducing administrative workload.

ACHIEVEMENTS

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

TECHNICAL SKILLS

- **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