ADITYA RAJEEV PATIL

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in LinkedIn ⦿ GitHub ⛨ TryHackMe

EDUCATION

VIT Bhopal University   2022 - 2026
B.Tech in Computer Science and Engineering, Specialization in Cyber Security and Digital Forensics
CGPA: 8.43/10

TECHNICAL SKILLS

- **Programming & Technologies**: Python, Java, JavaScript, SQL, HTML, CSS, MySQL, Git, Docker, Kubernetes, CI/CD
- **Cybersecurity Tools & Frameworks**: Wireshark, Burp Suite, Splunk, Maltego, OWASP Top 10, SIEM, React.js

WORK EXPERIENCE

Intern   Nov 2024 - Jan 2025
National Remote Sensing Centre (NRSC), ISRO, Hyderabad, India
- Analyzed Blue-Sky Albedo trends using MODIS and AOD datasets with Scikit-learn for climate impact assessment
- Developed a Python data pipeline (NumPy, Pandas, Matplotlib) to process and visualize high-precision albedo imagery
- Applied supervised learning models to enhance trend detection accuracy by 15% over baseline methods
- Authored a technical report on AI-driven climate analysis, archived in the NRSC-ISRO library

PROJECTS

React-Native-Ecommerce-App ⦿   July 2025 - Aug 2025

Tech Stack: React Native, JavaScript, Redux, Node.js, Express.js, MongoDB, REST API, Firebase, UI/UX Design

- Developed a full-stack MERN e-commerce app with React Native, serving 50+ simulated product listings
- Implemented JWT authentication and payment integration, securing user data and transaction processing
- Designed an admin dashboard with analytics, reducing product management time by an estimated 25%
- Optimized application performance, achieving a 20% reduction in load time for core user flows

Text-Encrypter ⦿   May 2025

Tech Stack: JavaScript, HTML, CSS, Cryptography (AES, DES, RSA)

- Engineered a client-side web application implementing AES, DES, and RSA algorithms for text encryption
- Designed a responsive UI enabling real-time encryption/decryption with no server dependency
- Validated cryptographic output against industry standards to ensure algorithm accuracy and reliability

Packet-Tracer ⦿   Nov 2023 - Jan 2024

Tech Stack: Python, HTML, CSS, JavaScript, Networking, Responsive Web Design

- Built a full-stack web application to simulate and display network packet details (protocol, size, IP/MAC) in real-time
- Developed a responsive front-end with JavaScript and a Python backend to simulate network traffic flow
- Presented the project at a university exhibition as an educational tool for networking concepts

ACHIEVEMENTS & ACTIVITIES

- **Top 4% Global Ranking on TryHackMe** ↗
- **Canara Bank SuRaksha Cyber Hackathon 2025**   2025
  Finished in the Top 105 (top 2.6%) out of 4000+ teams nationwide.
- **CTF 2024 — IIIT Kottayam** ↗   2024
  Achieved **All-India Rank 51** in a national Capture The Flag competition.
- **G. Vishwanathan College Hackathon**   2024
  Ranked in the Top 10 teams at the institute-level hackathon.

CERTIFICATIONS

- **Certified Ethical Hacker (CEH), EC-Council** ↗   Dec 2024
- **Cybersecurity Analyst Professional Certificate, IBM** ↗   Apr 2025
- **Geo-Data Sharing and Cyber Security, ISRO** ↗   Feb 2024
- **The Bits and Bytes of Computer Networking, Google** ↗   Jan 2024
- **IBM DevOps and Software Engineering Fundamentals, IBM** ↗   Mar 2025

LEADERSHIP AND CAMPUS ENGAGEMENT

President, Cyber Warrior Club, VIT Bhopal University   2024 - 2025
- Grew club membership by 30% by organizing tech talks and 3 Capture The Flag (CTF) challenges
- Secured 3 industry professionals to lead hands-on cybersecurity workshops for 80+ students
- Planned and executed a CTF event with 80 participants, improving campus-wide security awareness

Event Management Lead, Marathi Club, VIT Bhopal University   2024 - 2025
- Managed logistics and operations for the annual Ganpati Festival, serving an attendance of 1000+ students
- Coordinated a 2-day cultural event, managing a team of 15 volunteers and all scheduling
- Acquired sponsorships to increase the annual event budget by 15%