

# Yashwardhan Rastogi

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## Education

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### VIT Bhopal University

Integrated Masters

Major in Computer Science and Engineering; Minors in Cyber Security

Cumulative GPA: 8.84/10

Bhopal, Madhya Pradesh

Jun 2021 – May 2026 (Expected)

## Certification:

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- AWS Certified Solutions Architect - Ongoing
- Developing Secure Software (LFD121) - March 2025
- Certified App-Sec Practitioner (SecOps) - March 2025

## Skills:

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- Languages- Python, MYSQL, HTML, CSS, Bash/Shell Scripting, Git, Unix, AWS
- Frameworks - Pandas, Numpy, Matplotlib

## Experience

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### Oshin OS

Python Developer

Jul 2022 – Dec 2022

- Developed custom scripts for a secure Linux-based OS to remove system bloat and improve system efficiency by 20%.
- Built a Python-based study software using BeautifulSoup for fetching resources and QT for seamless user experience.
- Automated repository updates and package management using bash scripting and reduced 50% manual workload.

## Projects

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### UPI Advisor

Feb 2025 – Present

- Developed a full-stack web app to crowdsource reports on suspicious UPI IDs. Engineered comprehensive RESTful API for reporting, retrieving, and commenting on suspicious UPI IDs.
- Implemented Redis caching, improving API response times by 60% and reducing database load by 40%.

### Arthromate- Rheumatoid Arthritis Management Application

Jun 2024 – Oct 2024

- Engineered backend services using AWS Lambda and DynamoDB, processing 100+ reports of arthritis pain daily.
- Designed scalable serverless architecture with API Gateway and Cognito, supporting 1,000+ monthly users at 99.9% uptime with 200ms response time. CodePipeline, reducing deployment time by 50%.

### Airspecter

Nov 2024 - Jan 2025

- Enabled offline attacks to crack Wi-Fi passwords using captured handshakes, achieving a success rate of 70% on weak and commonly used passwords.
- Implemented a method to gain access to systems through LNK file exploits, increasing the tool's effectiveness in assessing Windows security vulnerabilities across 100+ test environments.
- Disconnected over 500+ clients from networks to capture handshakes or test network resilience, improving penetration testing accuracy by 40%.

## Co-curricular

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### LINUX Club

Secretary

VIT Bhopal

Nov 2023 – Nov 2024

- Hosted event for LINUX CTF Challenge on AWS EC2 for 200+ participants, ensuring platform stability, uptime, and efficient resource management; Created Reverse Engineering challenges (in C/Java/Rust) for the event.
- Managed the College Rivals esports event with a budget of ₹2 lakh, overseeing planning, coordination and execution.
- Organized 10+ cybersecurity workshops and events, enhancing technical engagement within the club.
- Oversaw administrative functions, including meeting documentation, record-keeping, and club operations.

### Competitive Coding

- Achieved maximum rating of 1613 in Leetcode (Top 20%).