Krati Madhwani

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Education

VIT Bhopal University, Madhya Pradesh
B.Tech in Computer Science, *Expected May 2026*
Cumulative GPA: 8.79 / 10

St. Mary's Convent Inter College, Prayagraj
ISC (12th): 88%, July 2021
ICSE (10th): 96.4%, July 2019

Projects

Turning Trash Into Treasure *Aug 2023 – Nov 2023*
- Built a machine learning system using CNNs and OpenCV (0.78 accuracy for garbage detection, 0.96 for segregation).
- Developed a mobile-optimized interface for real-time waste classification.
- **Technologies:** Python, OpenCV, CNNs, HTML5, CSS3, JavaScript

GradeUp | *GitHub* *Feb 2024 – Apr 2024*
- Created a ML-powered academic planner with personalized study schedule.
- Designed responsive frontend UI increasing engagement by 25%.
- **Technologies:** HTML5, CSS3, JavaScript, PHP, MySQL

Finance and Expense Tracker | *GitHub* *Oct 2024 – Apr 2025*
- Developed a scalable backend system with REST APIs for 5,000+ users.
- Optimized transaction handling using Express.js and MongoDB (30% faster).
- **Technologies:** Node.js, Express.js, MongoDB, React.js, JavaScript

Internships

The Cyber Delta *Nov 2022 – Feb 2023*
Public Outreach and Article Writing Intern – Authored cybersecurity awareness content and promoted online safety.

Activities

English Literary Club, VIT Bhopal *Oct 2023 – Feb 2024*
Volunteered for AdVITya'22, wrote for Gazette'24, and organized creative writing events.

IoT Club, VIT Bhopal *July 2023 – Feb 2024*
Managed 2 technical events, enhancing hands-on IoT engagement for peers.

Skills

Technical: Java, HTML5, CSS3, Bootstrap, SQL, PostgreSQL, MongoDB, JavaScript, Node.js, Express.js, Embedded JS, RESTful API, Git, GitHub
Soft: Communication, customer service, social work
Languages: Hindi, English (fluent), Sindhi

Certifications

- Simulink and Matlab Onramp (Sept 2022)
- Computer Networking – Coursera (Dec 2023)
- Cloud Computing – IIT Kharagpur (May 2024)
- Marketing Analytics – IIT Kharagpur (May 2025)