

Mayank Rathore

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Education

Bachelor of Technology in Computer Science, VIT Bhopal University (Aug 2023 – Present)

Skills

Python, Java, C++, JavaScript, HTML, CSS, MySQL, Data Structures & Algorithms

Experience

Entrepreneurship Cell (E cell), Co-Lead (Design Team) Bhopal (Feb 2024 – Present)

- Increased student participation by 35% through event-focused marketing strategies.
- Directed design delivery for 8+ events, producing 20+ promotional assets with consistent branding.
- Built 20+ UI/UX elements for 5+ initiatives, driving a 30% rise in user interaction.
- Coordinated with 4+ departments on 10+ projects, reducing workflow delays by 25%.

Projects

Dental Disease Detection & Classification using YOLOv8 (Feb 2025 – Mar 2025)

- Developed an end-to-end dental disease detection system using YOLOv8, testing multiple YOLO variants to achieve 92% accuracy on 2k+ X-ray images.
- Applied stratified split & augmentation, improving model robustness by 18%.
- Deployed in a Flask web app enabling automated disease detection from X-rays.
- Optimized for CPU inference, cutting latency by 25% to support low-resource environments.

Multiple Disease Prediction Web Application (Oct 2024 – Dec 2024)

- Built and deployed a Flask-based AI web app, predicting 4+ diseases with 94%+ accuracy using 5+ datasets.
- Integrated a Voting Classifier (XGBoost, Random Forest, SVM, Naïve Bayes), improving reliability by 20%.
- Applied PCA & feature scaling, reducing training time by 30%.
- Designed a responsive interface supporting real-time disease risk assessment for 500+ users.

Achievements/ Certificates

Data Structures & Algorithms Course (Oct 2024 – Jul 2025)

- Solved 400+ DSA problems on LeetCode, CodeChef, and Codeforces, achieving a 40% faster solution turnaround.
- Certificate: [\[View Here\]](#)

Google Cloud Study Jams Completion (Nov 2023 – Dec 2023)

- Accomplished cloud computing proficiency by completing the Google Cloud Study Jams, as measured by passing 10 rigorous modules.
- Achieved an average module completion rate of 95%, demonstrating consistent dedication and mastery of Google Cloud platform tools and services.

GeeksforGeeks Cloud Boot Camp Completion (Oct 2023 – Nov 2023)

- Accomplished cloud technology skills by completing the GeeksforGeeks cloud bootcamp, as measured by mastering 12 comprehensive projects.

