

MUSKAN SRIVASTAV

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Profiles: [LinkedIn](#) | [GitHub](#) | [Leetcode](#) | [Codeforces](#)

EDUCATION

VIT Bhopal University, Sehore, Madhya Pradesh

BTech Computer Science and Engineering

Jul 2023- Aug 2027 | CGPA: 8.72/10

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Design and Analysis of Algorithms, Programming in Python

Podar International School, Ahmedabad, Gujarat

Higher Secondary and Senior Secondary Education

April 2009- May 2023

Class X: 94.4% | Class XII: 84.4%

WORK EXPERIENCE

1st Place- MapmyIndia Hackathon [Link](#)

Mar 2025

Indian Institute of Technology Delhi | New Delhi, India

- Secured 1st place by building a location-based platform for NGO event and volunteer management using MapmyIndia APIs.
- Designed and developed the complete system, including backend logic, API integration, and scalable database architecture.
- Led a team of 4 and improved the event registration process, achieving a 60% boost in speed and efficiency.

Open Source Contributor

Oct 2024- Nov 2024

GirlScript Summer of Code | Remote

- Implemented secure session handling, Dijkstra's pathfinding, and dynamic graph input to enhance backend functionality
- Integrated React and Node.js for real-time messaging, enabling smooth, low-latency user interaction
- Ranked 99 overall with 12+ merged PRs; adhered to best coding practices and open-source standards.

PROJECTS

Aarogya Saarthi – AI and Blockchain for Smart Resource Hospital Management [Documentation](#) Jan 2025- Feb 2025

- Predicts real-time demand for hospital resources & blood bank supplies, preventing shortages before they happen.
- Uses AI to analyze health conditions and help hospitals decide whom to treat first in critical situations.
- Ensures transparent, immutable data tracking to prevent fraud and mismanagement.

Hriday Tarni – Real-Time Heart Rate Detection System [Demo Video](#)

Sep 2024- Dec 2024

- Engineered a backend system to detect heart rate in real-time using facial data from live camera feed, leveraging machine learning algorithms and computer vision
- Integrated RESTful APIs with Flask and optimized database queries, resulting in a **20% improvement in processing time**
- Ensured high data accuracy and efficient handling of video frames for consistent and real-time prediction

TECHNICAL SKILLS

- **Languages:** Python, C++, JavaScript, SQL
- **Web:** HTML, CSS, React.js, MongoDB, Node.js, Flask
- **Frameworks & Tools:** Flask, Git, GitHub, Postman, REST APIs, JWT, OAuth 2.0
- **Other:** VS code, Postman, Git Bash

LEADERSHIP & EXTRACURRICULARS

- **R&D Member, Blockchain Club – VIT Bhopal:** Developed smart contracts for token-based voting and NFTs; deployed on testnet with 100+ interactions
- **Hostel Representative – Girls Hostel, VIT Bhopal:** Coordinated logistics and student welfare initiatives for 500+ residents
- **Hackathon Leader:** Led cross-functional teams in 5+ national hackathons, including 2 podium finishes and 1 special mention