

# Aditi Sharma

**GitHub:** [github.com/aditi-sharma-2004](https://github.com/aditi-sharma-2004)

**Portfolio:** [aditisharma.com](https://aditisharma.com)

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## EDUCATION

### Banasthali Vidyapith

*B.Tech Computer Science*

June 2026

*CGPA: 7.7/10.0*

### D.A.V Public School

*Intermediate*

June 2022

*80%*

### Our Lady Of Fatima Convent School

*High school*

June 2020

*94.4%*

## COURSEWORK

**Courses:** Object-Oriented Programming, Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networking

**Awards:** Hackathon Winner (WeHack), Top 10 Finalist (Vice Chancellor Hackathon)

## SKILLS

**Languages:** C/C++, Python, Java, HTML/CSS, JavaScript

**Tools:** Git/GitHub, Unix Shell, VS Code

**Libraries:** NumPy, pandas, OpenCV, Matplotlib

## PROJECTS

### Leave Management System — Java, MySQL [Project Link]

Sept. 2024

- Expanded a web-based Leave Management System to streamline leave requests and approvals.
- Implemented authentication, role-based access, and database integration with MySQL.
- Designed RESTful APIs using Spring Boot for efficient data management and retrieval.

### Voice-Based Route Finder — Python, SpeechRecognition, Graph Theory [Project Link]

Aug. 2023

- Improved a voice-activated system to compute the shortest route between cities using graph algorithms.
- Implemented Dijkstra's algorithm for shortest path calculation and integrated voice recognition for input.
- Utilized CSV files for data storage and processing, ensuring efficient lookup and retrieval.

### AI-Driven Snake Game — Python [Project Link]

Feb. 2023

- Enhanced a classic Snake Game with AI-driven hints to assist players.
- Implemented A\* pathfinding algorithm to suggest optimal moves for the snake.
- Designed an intuitive user interface using Pygame for smooth gameplay.

## EXPERIENCE

### AIC E-Cell Banasthali | *Lead*

Sept. 2023 – Present

Organizing entrepreneurial events, hackathons, and mentorship sessions for students.

### Social Summer of Code (SSoC) & GirlScript Summer of Code (GSSoC) | *Contributor*

2023 – Present

Contributed to open-source projects, improving coding skills and collaborating with developers.

## HOBBIES

### Competitive Programming

2024 – Present

Actively solving DSA problems on Leetcode, CodeForces, and CodeChef. Max Leetcode rating: 1610.

### Event Management and Public Speaking

2023 – Present

Organized pitch competitions, hackathons, and startup events at AIC Banasthali.

### Tech Blogging and Writing

2023 – Present

Writing technical blogs and articles on emerging technologies and entrepreneurship.