

Aditi Sharma

GitHub: github.com/aditi-sharma-2004 **Portfolio:** aditisharma.com
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EDUCATION

Banasthali Vidyapith <i>B.Tech Computer Science</i>	June 2026 <i>CGPA: 7.7/10.0</i>
D.A.V Public School <i>Intermediate</i>	June 2022 <i>80%</i>
Our Lady Of Fatima Convent School <i>High school</i>	June 2020 <i>94.4%</i>

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
Tools: Git/GitHub, Unix Shell, VS Code
Libraries: NumPy, pandas, OpenCV, Matplotlib

PROJECTS

Leave Management System — Java, MySQL [Project Link] <ul style="list-style-type: none">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.	Sept. 2024
Voice-Based Route Finder — Python, SpeechRecognition, Graph Theory [Project Link] <ul style="list-style-type: none">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.	Aug. 2023
AI-Driven Snake Game — Python [Project Link] <ul style="list-style-type: none">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.	Feb. 2023
Sorting Visualizer — C++, SDL2 [Project Link] <ul style="list-style-type: none">Developed a sorting visualization tool to demonstrate sorting algorithms in real-time.Implemented Bubble Sort, Selection Sort, Merge Sort, Quick Sort, and Heap Sort with graphical animations..	Jan. 2023

EXPERIENCE

AIC E-Cell Banasthali <i>Lead</i> Organizing entrepreneurial events, hackathons, and mentorship sessions for students.	Sept. 2023 – Present
Social Summer of Code (SSoC) & GirlScript Summer of Code (GSSoC) <i>Contributor</i> Contributed to open-source projects, improving coding skills and collaborating with developers.	2023 – Present

HOBBIES

Competitive Programming Actively solving DSA problems on Leetcode, CodeForces, and CodeChef. Max Leetcode rating: 1610.	2024 – Present
Event Management and Public Speaking Organized pitch competitions, hackathons, and startup events at AIC Banasthali.	2023 – Present