

# Aditya Agarwal

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## Education

**Manipal Institute of Technology (MIT), Manipal, India**

Sept 2022 – May 2026

Bachelor of Technology in Computer Science and Engineering (B.Tech)

**Relevant Coursework:** Data Structures and Algorithms, Computer Networks, Database Systems, Operating Systems, Software Engineering

**Delhi Public School, Kalyanpur Kanpur | XII (CBSE)**

2022

Aggregate: 89%

## Skills

**Programming:** C, Java **Frontend:** React.js, HTML, CSS, JavaScript, GSAP, Bootstrap

**Backend:** Node.js, Express.js, Django **Databases:** MongoDB, SQL

## Experience

**Full Stack Developer Intern | MIT Manipal**

June 2024 – July 2024

- Built responsive web apps replicating Netflix and Spotify, improving user experience by 15%.
- Designed scalable backends with Node.js, Express.js, and MongoDB, reducing response times by 10%.
- Technologies used: React.js, Node.js, Express.js, MongoDB

## Projects

**BUGEASE**

[View](#)

- Created a campus buggy tracker with real-time maps and multilingual support.
- Integrated a priority feature for emergencies, enhancing usability for injured students.
- Technologies used: ReactJs, Tailwind CSS, Django, MongoDB

**NULL Studio**

[View](#)

- Designed and developed the official site for NULL Studio – an autonomous agency redefining success through authenticity and real-world impact.
- Focused on immersive visuals, smooth scroll interactions, and modern aesthetics to reflect the studios bold, forward-thinking identity.
- Technologies used: HTML, CSS, JavaScript, GSAP, Lenis

**JobSync (AI-Powered Job Opportunity Finder)**

[View](#)

- Developed an AI-driven job finder that matches users resumes with personalized job opportunities.
- Implemented real-time mentorship and career insights for better decision-making.
- Technologies used: HTML, CSS, JS, GSAP, LENIS, ScrollTrigger, Node.js, Express.js, MongoDB

## Research & Publications

- **AI-Driven Early Detection of Diabetes using Machine Learning** | Ongoing  
Focus: Developed predictive ML models for early diabetes detection using clinical data, emphasizing feature importance and accuracy.
- **Federated Learning on Item Sets for Privacy-Preserving Recommendations** | Ongoing  
Focus: Investigated federated learning on distributed item set data, balancing model performance with data privacy in collaborative filtering.

## Awards & Achievements

- Placed **4th** in **Devsprint'25 Hackathon** among 30+ teams organized by ISTE Club, MIT Manipal 2025
- Open-source Contributor at **GirlScript Summer of Code (GSSOC)** 2024
- Winner of the **GeeksforGeeks 21-Day POTD Challenge** 2024
- **Ranked 64th** in the college entrance exam out of 1,00,000+ participants 2022

## Leadership & Responsibility

**Project MANAS | MIT Manipal**

2022 – 2023

- Learned about Web Development and gained hands-on experience in AI applications for autonomous vehicles.

**Publicity and Painting | MIT Manipal**

2023 – Present

- Led design campaigns for college events, creating wall paintings, posters, and banners.
- Increased event attendance by 25% through visually appealing designs.