

ANANYA JAIN

+919413739097 ♦ Jaipur, India

ankikanya2@gmail.com ♦ [LinkedIn](#) ♦ [GitHub](#) ♦ [LeetCode](#)

OBJECTIVE

B. Tech Computer Science student with a strong foundation in programming, machine learning, and software development. Demonstrated hands-on experience in research and competitive programming, showcasing problem-solving abilities and technical skills. Eager to apply expertise in an internship role that fosters growth and innovation.

EDUCATION

BTech. in Computer Science and Engineering, Manipal University Jaipur Expected 2027
CGPA (on scale of 10): **9.95**

Class 12, Jayshree Periwal High School 2023
Grade: **93%**

Class 10, Jayshree Periwal High School 2021
Grade: **98.8%**

SKILLS

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|-------------------------|---|
| Technical Skills | • C/C++, Java, SQL, Data Structures and Algorithms, Object-Oriented Programming |
| Development | • HTML, CSS, JavaScript, ReactJs, TailwindCSS, BootStrap ,Machine Learning |
| Tools | • Arduino IDE, MATLAB, Git, Azure, AWS, Oracle, Linux (Ubuntu), gem5 simulator |
| Soft Skills | • Communication, Teamwork |

EXPERIENCE

Research Intern, IIT Guwahati May 2025 – Present
Department of Computer Science and Engineering
Working on cache optimization strategies to improve memory access efficiency and reduce computational latency using the **gem5 Simulator**. Tasks include performance profiling, low-level memory handling, and system-level enhancements on **Linux (Ubuntu)**.

PROJECTS

University Dropout Prediction Tool. Designed a machine learning model to predict students at risk of dropping out, emphasizing feature engineering and model accuracy.

Tic-Tac-Toe Game. Built an interactive, fully functional game using HTML, CSS, and JavaScript. ([GitHub Link](#))

Interactive Birthday Greeting Card. Developed a dynamic and animated greeting card using front-end technologies. ([GitHub Link](#))

CERTIFICATIONS

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- Oracle Academy: SQL, PL/SQL Programming, Database Design
 - NPTEL:
 - Data Structures & Algorithms using Java (IIT Kharagpur)
 - Design & Analysis of Algorithms (IIT Madras)
 - HackerRank: SQL (Basic)
 - GeeksforGeeks: Object-Oriented Programming in Java
 - Coursera:
 - Introduction to Cloud Identity by Google
 - C for Everyone: Programming Fundamentals by University of California, Santa Cruz

ACHIEVEMENTS

- Achieved Dean's List recognition for securing the highest GPA in a semester at Manipal University Jaipur
- International Astronomy & Astrophysics Competition: Bronze Honor (Top 15% globally)
- Science Olympiad Foundation: Medal of Distinction, International Rank 47
- Earned a Letter of Appreciation from the French Embassy for organizing Campus France, a flagship event promoting educational opportunities between India and France

RESEARCH

- Published a research article "*Computation of Soret Effect in Sisko Nanofluid Flow over a Stretching Sheet Encompassing Chemical Reaction and Viscous Dissipation*" in *Case Studies in Thermal Engineering (Elsevier)*, (SCI, SCOPUS Indexed, IF 4.93, Q1)
DOI: <https://doi.org/10.1016/j.csite.2024.105090>

EXTRACURRICULAR ACTIVITIES

- **IEEE Student Member:** Member # 101200206 (Delhi Section)
- Hackathon: Advanced to the second round of MUJHACKX 2023, the only first-year team to do so
- MUN: Chaired Biotechnology Congress, Jayshree Periwal High School
- Quizzing: All-India Rank Top 20 (Eduheal Foundation)
- Public Speaking: Special Mention in Lawrence School MUN

VOLUNTEERING

- Earned a certificate for teaching underprivileged students at Dulaar Foundation (NGO)
- Hosted Qureka's flagship event "Quriozity" (2025)
- Organized Campus France Event at Manipal University Jaipur (2024)