



Sanchay Singh

Roll no. 2023478 | Email: [Sanchay Singh](#)

DOB: May 28, 2005

Address: 2502,Tower-10,M3M Merlin, Sector-67, Gurgaon

[GitHub](#) [LinkedIn](#) [Portfolio](#)



Education

Indraprastha Institute of Information Technology, Delhi

B.Tech (CSAM)

2023 – Present

CGPA: 8.27

(till 3rd Semester)

Delhi Public School Vasant Kunj, New Delhi

CBSE, Standard 12, PCM+CS

2021 – 2023

Percentage: 95.2%

Podar International School Thane , Thane , Maharashtra

CBSE, Standard 10

2020 – 2021

Percentage: 87%

Skills

Expertise Area

Data Structures and Algorithms, Operating Systems, Object Oriented Programming, Web Development

Programming Language

C/C++,Java,Python,JavaScript

Tools and Technologies

Git, Github ,Shell Script, HTML, CSS,Node.js,Express,MongoDB,Figma, LibGDX

Technical Electives

Data Structures and Algorithms, Operating Systems, Theory of Computation, Algorithm Design and Analysis, Fundamentals of Database Management Systems, Advanced Programming in Java, Computer Organization

Math Electives

Linear Algebra, Probability And Statistics, Real Analysis, Discrete Structures, Abstract Algebra, Differential Equations

Projects

AngryBirds - [GitHub](#)

(Aug,24 – Dec,24)

Guide: Dr. Arun Balaji Buduru

Team Size-2

- **Tech Stack:** Java,LibGDX
- Developed an Angry Birds clone using Java, LibGDX, leveraging OOP concepts like polymorphism, inheritance, and interfaces. Also used data structures such as HashMaps and ArrayLists for implementing various game features.

RISC-V Assembler And Simulator - [Github](#)

(Mar,24 – May,24)

Guide: Dr. Tammam Tillo

Team Size-4

- **Tech Stack:** Python
- Created a program to convert RISC-V ISA assembly instructions into binary and simulate a RISC CPU's registers and memory. Supported arithmetic, branching, and memory operations with accurate emulation.

Simple Scheduler - [Github](#)

Guide: Dr. Vivek Kumar

(Oct,24 – Nov,24)

Team Size-2

- **Tech Stack:** C
- Implemented a simple operating system scheduler that manages processes using a round-robin scheduling algorithm. The scheduler uses signal handling and inter-process communication (IPC).

Positions of Responsibility

- Core Member at the Electroholics Club, IIIT Delhi (Aug,24 – Present)
- Core Member at the Undergraduate Research Club, IIIT Delhi (Oct,24 – Present)
- Team Lead, Course Project

Awards and Achievements

- Reached a peak rating of **1361** on Codeforces ([Profile](#))
- Reached a peak rating of **1682** on Codechef ([Profile](#))
- Placed **145th** nationally and **1,133rd** globally in Meta Hacker Cup 2024 Round 2 ([Certificate](#))
- Team placed **498** In ICPC 2024 India Prelims
- Placed **839th** out of 35,721 people in Leetcode Biweekly Contest 139

Interests and Hobbies

- Art And Music
- Chess

Declaration: The above information is correct to the best of my knowledge.

Sanchay Singh

Date: Jan 16, 2025