



Sanchay Singh

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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, MERN Stack

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](#)

Guide: Dr. Arun Balaji Buduru

- **Tech Stack:** Java, LibGDX

- Made an angry birds clone using Java , LibGDX and OOP concepts

(Aug,24 – Dec,24)

Team Size-2

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

Guide: Dr. Tammam Tillo

- **Tech Stack:** Python

- Made a program that converts Assembly instructions from RISC-V ISA into binary and simulates the behaviour of a RISC CPU's registers and memory locations.

(Mar,24 – May,24)

Team Size-4

Simple Scheduler - [Github](#)

Guide: Dr. Vivek Kumar

- **Tech Stack:** C

(Oct,24 – Nov,24)

Team Size-2

- 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

- **Open-Source Contribution:** Contributing to open-source projects on GitHub
- **Exploring New Technologies:** Learning about emerging technologies like AI and ML

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

Sanchay Singh

Date: Jan 16, 2025