Nischay Soni

2023353, Email: nischay23353@iiitd.ac.in

DOB: August 06, 2005

Address: A/12 A, Gurudwara Road, Hari Vihar, Near Dwarka
Metro Station, Delhi, 110078

Github Linkedin Portfolio

Education

Indraprastha Institute of Information Technology, Delhi B. Tech (CSAI) 2023 – 2027 (Present)	CGPA: 7.5 (till 4th Semester)
Sam International School, Delhi CBSE (10th) 2014 – 2021	Percentage: 96.4
SBV, Delhi CBSE (12th) 2021 – 2023	Percentage: 85.6

Skills

Expertise Area	Data Science, Software Development, OOPs, DSA
Programming Language	Python, C/C++, Java, HTML/CSS, JavaScript, MySQL, PostgreSQL
Tools and Technologies	Git, GitHub, VS Code, PyCharm, CLion, IntelliJ, LibGDX, Arduino, Linux, Robotics operating software (ROS), Figma, Miro, UML, Node.js, React.js, Express.js, Tailwind CSS.
Technical Electives	DSA (in C++), Operating System, OOPs (in java), Computer Organization, Introduction to Intelligent Systems (ML, IOT, CV, NLP, Ethics in AI, Robotics), DBMS, Statistical Machine Learning, Analysis and Design of Algorithms.

Internship

Research   (May'25 – July'25)
Guide: Prof. Shamik Sarkar
● Researched on YOLO object detection algorithms (Yolo V1 and Yolo V2) focusing on architecture, performance trade-offs, and real-time detection accuracy.
● Implemented and evaluated models using annotated datasets to analyze bounding box prediction and loss function behavior.

Projects

Angry Bird Game | Java (LibGDX)   (Aug,24 – Nov,24)
Guide: Prof. Sambuddho Chakravarty   Team Size-2

● Implemented a 2D physics-based game with 5 levels featuring realistic projectile motion and collision detection.

● Used libGDX framework to develop the game engine, physics simulation, handled 60 FPS rendering, reduced input lag by 30% via optimized event handling.

RISC-V Assembler | Python (Jan,24 – Apr,24)
Guide: Prof. Tammam Tilo Team Size-4

● Built an assembler and CPU simulator supporting 10+ RISC-V instructions with 100% accurate binary translation.
● Validated with 50+ test cases covering instruction execution and control flow, including handling program counters, registers, memory access, and control flow.

Stock Trading Management System | MySQL, Node.js, (Jan,25 – Apr,25)
Express.js, HTML, Tailwind CSS Team Size-4
Guide: Prof. Mukesh Mohania

● Developed a full-stack stock trading web application with a relational database schema, ER diagram, complex SQL queries, and real-time trade execution.
● Built a responsive front end using HTML and Tailwind CSS, and implemented backend APIs with Node.js and Express.js for authentication and data handling.

Sahayata App | Figma, Miro (Aug,23 – Nov,23)
Guide: Prof. Sonal Keshwani Team Size-5

● Prototyped the user interface using Figma, designed 15+ wireframes and high-fidelity mockups; improved UI/UX accessibility via user testing.
● Collaborated using Miro to brainstorm ideas, created user personas and flowcharts, boosting task completion efficiency by 30%.

Positions of Responsibility

• Lead Team Member, Fresources (Sep 2023 – Present)
• Core Member, Cyfuse (Oct 2023 – Present)
• Event Operations Team Member, 65th Square (Jan 2025 – Present)
• Event Operations Team Member, Odyssey 2024 (Jan 2024)

Awards and Achievements

• Achieved a rating of 1400 in codeforces
• Awarded gold medals in IMO and NSO
• Volunteered in an NGO assisting in raising awareness and providing community support
• Solved 500+ coding problems on LeetCode, Codeforces and other platforms.

Interests and Hobbies

• Playing Chess
• Passionate about astronomy and stargazing

Declaration: The above information is correct to the best of my knowledge.
Nischay Soni
Date: June 24, 2025