

NISCHAY SONI

Address: A/12 A, Gurudwara Road, Hari Vihar, Near Dwarka Metro Station, Delhi, 110078
8130768845 | [Nischay Soni](#)
[Github](#) [Linkedin](#)

PROFFESIONAL SUMMARY:

Computer Science undergrad proficient in C++, Python, and Java with strong object-oriented design skills. Highly organized, dependable, and adaptable team player with a positive attitude and a proven track record of managing multiple priorities efficiently.

SKILLS

Programming Languages: Python, C/C++, Java, JavaScript, HTML/CSS
Web Technologies: Node.js, React.js, Express.js, Django, Tailwind CSS
Tools & Platforms: Git, GitHub, VS Code, PyCharm, CLion, IntelliJ IDEA, LibGDX, Arduino, Linux, DataGrip, ROS, Figma, Miro, UML
Python Libraries and frameworks: NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, TensorFlow, Keras, PyTorch, Seaborn, NLTK, OpenCV, YOLO (Object Detection)
Databases: MySQL, PostgreSQL
Subjects: Data Structures & Algorithms (C++), Operating Systems, OOP (Java), Computer Organization, DBMS, Statistical Machine Learning, Intelligent Systems (ML, IoT, CV, NLP, LLM, AI Ethics, Robotics)
Soft Skills: Teamwork, Problem-solving, Critical Thinking, Time Management, Organization

PROJECTS:

Angry Bird Game | Java, LibGDX (Aug 2024 – Nov 2024)
Developed a 2D physics-based game with 5 levels featuring realistic projectile motion and collision detection.

- Maintained 60 FPS rendering and reduced input lag by 30% via optimized event handling.

RISC-V Assembler & Simulator | Python (Jan 2024 – Apr 2024)
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.

Sahayata App (UI/UX Design) | Figma, Miro (Aug 2023 – Nov 2023)
Designed 15+ wireframes and high-fidelity mockups; improved UI/UX accessibility via user testing.

- Created user personas and flowcharts, boosting task completion efficiency by 30%.

AI Wearables | IoT, Arduino, C++ (Mar 2024 – Apr 2024)
Enhanced Bluetooth and IoT connectivity for real-time transcription transfer and cloud sync of 100+ records.

- Optimized data transmission, reducing latency by 35%.

Stock Trading Management System | MySQL, Node.js, Express.js, HTML, Tailwind CSS (Jan 2025 – Apr 2025)
Developed full-stack web app with ER diagram, SQL queries, responsive UI, and backend API for trade management.

YOLO-Based Object Detection (May 2025 – Jul 2025)
Implemented YOLO models using SqueezeNet, MobileNet, InceptionV3, and ResNet50 backends for multiple detection tasks.

- Applied warm-up, multiscale training, multi-GPU support, and mAP evaluation with Python 2.7/3.6 compatibility.

EDUCATION:

B. Tech in Computer Science and Artificial Intelligence	2023-2027
Indraprastha Institute of Information Technology – Delhi	CGPA: 7.67
CBSE (12 th)	2023
GSBV – Matiala	Percentage – 85.6
CBSE (10 th)	2021
Sam International School – Dwarka	Percentage – 96.4

POWER OF RESPONSIBILITIES

- ☐ **Lead Team Member, Fresources** (Sep 2023 – Present)
Leading and managing team responsibilities and project goals.
- ☐ **Core Member, Cyfuse** (Oct 2023 – Present)
Actively contributing to team projects and organizational initiatives.
- ☐ **Event Operations Team Member, 65th Square** (Jan 2025 – Present)
Supporting event planning, coordination, and execution logistics.
- ☐ **Event Operations Team Member, Odyssey 2024** (Jan 2024)
Assisted with event logistics and supported smooth event operations.

AWARDS AND ACHIEVEMENTS

- ☐ Achieved a Codeforces rating of 1400
- ☐ Awarded gold medals in IMO (International Mathematics Olympiad) and NSO (National Science Olympiad)
- ☐ Volunteered at an NGO focused on raising awareness and providing community support
- ☐ Solved 400+ coding problems on LeetCode and Codeforces

HOBBIES

- ☐ Playing chess (chess.com rating: 1600)
- ☐ Passionate about astronomy and stargazing

LANGUAGES

- English
- Hindi
- French

