

ANYA HOODA

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EDUCATION

Indraprastha Institute of Information Technology, Delhi B.Tech in Computer Science and Social Sciences	2022–2026
Delhi Public School Dwarka, Delhi-110078 CBSE (12th)	2021–2022
N.K Bagrodia Public School Dwarka, Delhi-110078 CBSE (10th)	2019–2020

SKILLS

Expertise Area	Algorithms and Data Structures, Operating Systems, Database Management Systems, Research Methods in Social Sciences and Design
Programming Languages	Java, Python, C, C++, R
Tools and Technologies	Git, GitHub, VS Code, JetBrains IntelliJ, Eclipse, Figma, React, NodeJS, Vite, Linux, MongoDB, MySQL, PostgreSQL

EXPERIENCE

Undergraduate Researcher, Translational Biology Lab, IIIT-Delhi Evaluating computational tools for mutual exclusivity detection in cancer genomics; benchmarking tool accuracy, speed, and output formats.	May 2025 – Ongoing
Teaching Volunteer, TLF Summer Camp, IIIT-Delhi Taught computer science basics and general knowledge to school students; designed and delivered interactive lessons.	May 2024 – June 2024

PROJECTS

Object Tracker using CamShift <i>Guide: Independent</i> Implemented a real-time object tracker in Python using OpenCV and the CamShift algorithm; enabled ROI selection and histogram-based tracking in both webcam and video inputs. (View Project)	May 2025 – Ongoing
Bandwidth Electronics – DBMS Project <i>Guide: Mukesh Mohania and Vikram Goyal</i> Developed a MySQL-based database system for an electronics e-commerce platform with features like user authentication, inventory control. (View Project)	Jan 2024 – Apr 2024
StickHero Game <i>Guide: Koteswar Rao Jerripothula, Team Size: 2</i> Created "Stick Hero" using JavaFX, Java, and FXML, applying OOP concepts like inheritance and abstraction. (View Project)	Nov 2023 – Dec 2023

POSITIONS OF RESPONSIBILITY

- Mentee of Microsoft Code Without Barriers (Azure Developer Community, Delhi) (Feb 2025 – Ongoing)
- Team Member of OWASP IIITD Student Chapter (Cybersecurity Club) (Sept 2024 – Ongoing)
- Team Member of Audiobytes IIITD (Music Club) (Oct 2024 – Ongoing)