

ISHITA ARORA

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EDUCATION

BE Computer Science	2021-25	Thapar Institute of Engineering and Technology	8.12 CGPA
CBSE (Class XII)	2021	Delhi Public School Ghaziabad	99%
CBSE (Class X)	2019	Delhi Public School Ghaziabad	97%

ACADEMIC PROJECTS

- **Exercise Accuracy Detection using Smart Wearables:** The goal of the project is to develop a reliable solution using smart wearables to assess exercise positions and enhance the effectiveness of workouts with consistent user progress reports. Hardware involves working with Arduino.
- **Robotic Arm:** A robotic arm that can pick items from someplace and put them in another place using the basics of robotics and introductory know-how of Arduino programming.
- **Sales Management System:** A sales management system made using the basics of SQL and Python.
- **Face Detection System:** A face detection system applying the basics of computer vision.
- **Ray Caster System:** Created a rendering engine that simulates a 3D environment by casting rays from the viewer's perspective to determine what objects are visible. Made use of the OpenGL library.
- **Plagiarism Checker:** A plagiarism checker made with Python is a program that utilizes the language's robust libraries and algorithms to scan a document for plagiarism.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Part of the Organizing Committee of the biggest annual Techno-Cultural fest of North India – SATURNALIA
- Kaggle 2X Expert in Discussions and Notebook.
- Member of School Cabinet
- Participated in various Olympiads at the school level.

OTHER INFORMATION

- **Skills:** Python, C/C++, HTML/CSS, Arduino programming, SQL, DSA, Data Science, Machine Learning, AWS, Azure, Leadership, Problem-solving, Critical Thinking, Analytical skills, Teamwork, Collaboration and Strong Work Ethic.
- **Certifications:** CISCO – Cyber Security Essentials, Create Interactive Dashboard with Python (Coursera), Building Custom Regional Reports with Google Analytics (Coursera), Analyze Stock Data using R and Quantmod Package (Coursera), Data Visualization with Plotly Express (Coursera), NLP with Classification and Vector Spaces (Coursera), NLP with Probabilistic Models (Coursera)