

# Ravi Punia

4<sup>th</sup> Year Undergraduate  
Computer Science & Engineering

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## Education

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|--|-----------|---------------------|
| ❖ <b>B.E, Computer Science</b> – Chandigarh University ,Mohali       | 7.81 CGPA | July 2019 – Present |
| ❖ <b>Higher Secondary</b> - Guru Tegh Bahadur Public School , Meerut | 90%       | Apr 2017 - Apr 2018 |
| ❖ <b>High School</b> - Greenwood Sr Sec School , Rampur              | 10 CGPA   | Apr 2015 – Apr 2016 |

## Training & Projects

### Machine Learning (Industrial Training) || Intern Shala ([link](#)) July-Sep 2021

- ❖ Worked on concepts like regression model, **supervised & unsupervised** training model.
- ❖ Performed Data Exploration and Pre-processing, Linear Regression, Introduction to Dimensionality Reduction.
- ❖ Learn about the Logistic Regression, **Decision Tree**, Ensemble Models, and Clustering modules.

### Sorting Visualizer Project (Team Project ) ([link](#)) Mar-June 2022

- ❖ **Technology:** HTML, CSS, JavaScript, VSCode
- ❖ **Project Objective:** Build web project which allow user to visualizer **sorting** (using histogram) and also, able generating random array with different size.
- ❖ Use of different **Sorting Algorithm** (Merge sort , Quick sort ,Heap sort ,Bubble sort).
- ❖ Worked on the **feature of Changing Size** of the Histogram which will be sorted.
- ❖ Speed of sorting can also be increase or decrease to see the sorting visuals effect and helps to learn about these algorithm visually.
- ❖ Working project [link](#).

### Object Detection And Counting of Various Object (Team Project) ([link](#)) Jan-Mar 2021

- ❖ **Technology:** Python, PyCharm, **YOLO** , CNN, AI & ML.
- ❖ **Project Objective:** Build a program that can count , locate as well as recognize the object.
- ❖ Algorithm works to calculate an accuracy rate for the image to be detected using a Predefined modals called **COCO**.
- ❖ Implement CNN on the image to divide it in different boxes and identify the location of the object.
- ❖ **Accuracy rate** to recognize the object was **more than 95%** for **more than 80 different objects**.

## Technical Skills

- |   |  |
|---|--|
| ❖ <b>Programming Language:</b> JAVA ,C, C++,Python. | ❖ <b>Others :</b> Data Structures and Algorithms, OOPS , |
| ❖ <b>Web Technologies:</b> HTML, CSS, JavaScript    | Git , GitHub , Competitive Programming ,                 |
| ❖ <b>Database Management:</b> MySQL                 | Operating System , VSCode , Android Studio.              |

## Programming Achievements

- ❖ Active participant in contests held on LeetCode.
- ❖ Solved **350+ questions** on LeetCode.
- ❖ Solved 100+ questions on GFG .
- ❖ Community **views of 40K+** and **700+ reputation** on LeetCode.

## Relevant Courses ([Link](#))

Programming for Everybody || Web Design for Everybody || Introduction to Java || Introduction to Object-Oriented Programming with Java || Java Programming || Introduction to Data Science

## Hobbies & Interests

Coding || Powerlifting || Cycling || Badminton || Chess