

# VAIBHAV ROHAAN

## ELECTRONICS AND COMMUNICATION UNDERGRADUATE

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## EDUCATION

**B. Tech – Electronics and Communication Engineering – Punjab Engineering College, Chandigarh** *May 2019 – May 2023*

**High School Diploma – Shri guru Gobind School, Chandigarh** *Jun 2018 – May 2019*

CBSE Board - PCM Aggregate Class 12

## EXPERIENCE

- **IEEE Society:** (Feb 2020 – April 2020)
  - Worked on a remote-controlled 4-wheeled rover.
- **Internship at ClointFusion:** (June 2021 – Sept 2021)
  - Contributed functions to their existing libraries.
  - Made a computer automation software using python.
- **Internship at Coding Ninjas:** (July 2022 - Nov 2022)
  - Displayed proficiency in Data Structures and Algorithms in C++
  - Worked as a TA (teaching assistant) for Coding Ninjas.

## SKILLS

### Proficient in Data Structures and Algorithms in C++

- **Frontend Development** – HTML, CSS, Bootstrap, ReactJS
- **Backend Development** – NodeJS, ExpressJS, MongoDB
- **Languages** – MATLAB, JavaScript, Python, C++, Dart
- **Other Skills** – Git, API, Machine Learning, Deep Learning
- **Operating Systems** – Arch and Debian based Linux, Windows, MacOS
- **Database** – MySQL
- **App Development** – Android Studio, Flutter ( iOS and Android apps)

## PROJECTS

1. **Made an AI model predicting Heart Disease** (Feb 2021)
  - It was an individual project, and I was responsible for testing and coordination of all the components.
  - Learned the libraries of machine learning, understood practicality of python libraries.
  - Made a fully functional model that could predict chances of a person if they will have a heart attack.
2. **Made a Face Recognition program on MATLAB** (May 2021)
  - The program helped to get a better understanding of Neural Networks.
  - Tech Stack – Image processing using MATLAB
3. **Made a personal CV website** (June 2021)
  - Made a personal website.
  - Tech stack – HTML, CSS, JavaScript
4. **Made an Air Quality Prediction model.** (June 2020)
  - Made an air quality prediction model using Machine Learning (Linear Regression)
  - Tech stack – Python, Machine Learning.
5. **Made a Diabetes Classification model.** (July 2020)
  - Made a diabetes classification model using PIMA diabetes data.
  - Tech stack – Python, Machine Learning.
6. **Made a Dominant Color Extraction model.** (July 2020)
  - A python program to extract the dominant colors of an image and to visualize their dominance using K-Means clustering algorithm
  - Tech stack – Python, Machine Learning.
7. **Made a Hand-written text recognition model.** (Sept 2020)

- Tech stack – Python, Machine Learning.

**8. Made a computer automation software. (Sept 2020)**

- Used ClointFusion libraries to make an automation bot.
- Contributed in adding new functions to the existing libraries.
- Tech stack – Python, RPA (Robotics Process Automation).

**CO-CURRICULAR/ACHIEVEMENTS**

- Participated in many ongoing college activities, was a **core member in ‘IEEE Society’**.
- Was selected for state level in National science Olympiad, SOF (2014)
- Played football at State-Level in 2016-17.