

# Vivek Goel

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## EDUCATION

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### Veer Surendra Sai University of Technology

*Bachelor of Technology in Computer Science and Engineering*

Burla, Odisha

2020 – 2024

### Ramsheth Thakur Public School

*Intermediate and Matriculation*

Kharghar, Navi Mumbai

2016 – 2020

## PROJECTS

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### Olympic Data Analysis | [Project Link](#)

Jan. 2023

- This is an data science project on Olympic Games. The dataset selected here includes information from every Olympic Games until 2016. It consists of an in-depth analysis of every single detail of the Summer and Winter Olympic Games staged in various nations throughout the world. Here, I have analysed the data from the viewpoints of both current and potential players from various nations.

### Movie Recommendation System | [Project Link](#)

Jan 2023

- I have developed a content-based movie recommendation system for this end-to-end project that offers 5 best picks depending on the film you've seen. It has a dataset of more than 4000 movies for recommendations. The unique movie poster is also loaded using the TMDB api. The finished product that was put into use also offers a section for well-known films and allows you to sort films by genre.

### Students Adaptability to Online Learning | [Project Link](#)

JUL 2022

- With the help of some factors as input I was able to predict if the student can be adapted to online learning.
- The model made in this project has a weighted average F1 Score of 0.92.

### Pneumonia Detector | [Project Link](#)

Mar 2022

- The Convolutional Neural Network made in this project can predict if a patient has Pneumonia by the X-ray image of the patient.
- The model made in this project has a F1 Score of 0.91.

### Sports Person Identifier | [Project Link](#)

Feb 2022

- The ML model can identify a selected number of Sports Person from their photographs.

## EXPERIENCE

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### Avionics System Lead

Jan 2023 – Present

*VSSSIC*

*Burla, Odisha*

- I am the Avoinics Lead of VSSSIC(Veer Surendra Sai Space Innovation Centre) which was established under the MOU with ISRO.
- I am also the lead of the data acquisition and analysis team.

### Techno-Management Team member

Aug. 2021 – Present

*Idea Innovation Cell*

*Burla, Odisha*

- I am a techno-management team member of IIC(Idea Innovation Cell) which has organised many different events and space expo in our college.
- We also have Limca Book of records and India Book of records in our club's name for different technical projects.

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, SQL, Arduino

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, Arduino IDE, Excel, Powerpoint

**Libraries:** pandas, NumPy, Matplotlib, Sklearn, Tensorflow, Seaborn, Plotly, Streamlit

**Technologies:** Machine Learning, Data Science, Deep Learning, Computer Vision, Arduino based subsystem

## COMPETITIONS

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**Participated in Google HASHCODE**

2022

**Inter College level Science and Math Exhibitions**

2019 - 2020

**Game Jam Titans Winners (Mumbai)**

2016