# Ved Thakur

Pre-Final Year | IIT Jodhpur | Mechanical
thakur.6@iitj.ac.in | 9769252333

## EDUCATION

**IIT JODHPUR**
B.Tech in Mechanical Engg.
Current CGPA: 7.72/10
2019-23

**R.A.D.A.V COLLEGE, BHANDUP**
Class 12 | HSC
Percentage: 88%
2017-19

:
**EUROSCHOOL, AIROLI**
class 10 | ICSE
Percentage: 97.2%
2014-2017

## LINKS

Github:// vedthakur5
LinkedIn:// Ved Thakur

## COURSEWORK

**UNDERGRADUATE**
Introduction to Computer Science
Introduction to Machine Learning
Data Structure and Algorithms
Scientific Computations
Linear Algebra
Calculus and Differential Equations
**MOOC'S**
Flutter and Dart-The Complete Guide
Django Developer Bootcamp
HTML and CSS
Machine Learning - Andrew NG
Introduction to ROS

## SKILLS

**LANGUAGES**
Python · C++ · Javascript
Matlab · Java · Dart

**DEVELOPMENT**
HTML · CSS · Vue
Django · Git · Flutter · Adobe XD
Dart · Firebase · Bootstrap

**ROBOT OPERATING SYSTEM**
ROS · MoveIt · Gazebo
Ardupilot · Mavros · PX4

**OTHER SKILLS**
Competitive Programming ·
AutoCAD · Solidworks
Public Speaking · Leadership · Team
Manangement

## EXPERIENCE

**DAILY NEWS APP BY DARPAN MEDIA GROUP** | Contributor |
Github
Tech: Flutter, Dart, Firebase
- Fixed bugs in the app like fixing the splash screen width, **fixing the notification sound and image**, also made changes in their **Firebase**
- Added some features like removing the skip button, **changing the push and in-app notification preview**

## PROJECTS

**IIT JODHPUR HOSPITAL MANAGEMENT SYSTEM** |
Contributor | Github
Tech: HTML, CSS, Django, Javascript
- Contributed changes to the **IIT Jodhpur Health Centre Website**
- Added many backend components like **deleting an appointment, filtering appointments, viewing appointments on the receptionist**

**ALUMNI MONITORING WEBSITE** | Smart India Hackathon |
Contributor Github
Tech: Django, Python, HTML, CSS, Bootstrap
- Created a website for **keeping Alumni record ofs respective colleges**
- Worked mainly on the **frontend Part**, created several pages for e.g. **home page, profile display page, alumni list page, admin pages**,etc.

**INCOMPLETE DATA CLASSIFICATION USING LOGISTIC REGRESSION** | ML Course Project Github
Tech: Python, Scikit-Learn, ML
- Analysed the paper, found out the **Pros, Cons** and also suggested methods for **improving the accuracy**

**DRDO VISION BASED OBSTACLE AVOIDANCE DRONE** | Inter IIT Tech Meet, Team Leader Github
Tech: ROS, MAVROS, ArduPilot, Data Structure and Algorithms
- Simulation of a **drone equipped with Kinect Sensor**, to avoid obstacles
- **Converted data from Kinect Sensor to Laserscan** to get an array and used the array to detect obstacles in the path and navigate using **DSA**

## ACHIEVEMENTS

| | |
|---|---|
| 2021 | **5th Place in DRDO Drone Competition**, Inter IIT Tech Meet |
| 2019 | **Top 1% in Maharashtra 12th HSC** Examination |
| 2019 | Among top **0.65 percentile of 0.2 million applicants in JEE** |

## POSITIONS OF RESPONSIBILITY (PORS)

| | |
|---|---|
| 2021 | **Joint Secretary, Robotics Society**, IIT Jodhpur |
| 2020 | **Student Guide of the Student Wellbeing Committee**, IIT Jodhpur |

## EXTRA-CURRICULAR

- Developed the culture of ROS (Robots Operating System) in the college, also mentored several juniors in the same.
- **Core Member, Marketing Team E-Cell**, IIT Jodhpur also Captained a team in Spandan, inter-hostel fest IITJ