

# Abhishek Gadekar

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## EDUCATION

### IIT JODHPUR

B.TECH IN ELECTRICAL ENGINEERING  
Expected 2024  
Cum. GPA: 7.9 / 10.0 (Upto 4th Sem)

### BASE PU COLLEGE

HSC | CLASS 12  
2018 | Hubli, India  
Percentage : 95.17 %

### PARIVARTHAN GURUKUL

ICSE | CLASS 10  
2016 | Hubli, India  
Percentage : 93.17 %

## SKILLS

### PROGRAMMING

• C • C++ • Python • JAVA

### MACHINE LEARNING

• sklearn • pytorch • tensorflow  
• pandas

### DEVELOPMENT

• HTML • CSS • Javascript • ReactJS  
• NodeJS • ExpressJS • Git

### OTHER

• SolidWorks • Fusion360  
• Front End Development  
• Competitive Programming

## LINKS

Github : [AbhishekG](#)  
LinkedIn : [AbhishekG](#)

## COURSEWORK

### UNDERGRADUATE

• Pattern Recognition and Machine Learning  
• Data Structures and Algorithms  
• Probability, Statistics and Stochastic Processes  
• Introduction to Computer Science

### MOOC

• Financial Markets Experience Program  
• Investment Banking Experience Program  
• ML by Andrew Ng

## EXPERIENCE

### EVIRT EDTECH LTD | FRONT END WEB DEVELOPER

May 2022 - July 2022 | India

- Developed a **single page application** using **React.js** for the ed-tech startup.
- Designed new features, layouts and **reduced the number of user-clicks** to boost sales and make a better UI. Maintained the code using **git** and **github**.
- Tech Stack: **HTML, CSS, React.js**

## PROJECTS

### SPEECH EMOTION RECOGNITION | PRML MAJOR PROJECT

Guide: Dr.Richa Singh, CSE Department, IIT JODHPUR  
Jan 2022- May 2022

- Worked extensively on ML classifiers like **logistic regression, decision tress, random forest, MLP, XGboost and lightGBM** using relevant libraries.
- Designed and developed a **Speech Emotion Recognition** project studying various ML classifiers, performing **feature engineering, data augmentation and predictive analysis**. [Github](#)
- In this project we attempt to detect underlying emotions in recorded speech by analysing the acoustic features of the audio data of recordings

### MAV PROTOTYPE | UG RESEARCHER

Guide: Dr.Nipun Arora, Mechanical Engineering, IIT JODHPUR  
July 2021 – May 2022

- Developed a **prototype of MAV** (micro air vehicle) by using an open-source design for the flapping wing mechanism in **Autodesk Fusion360**.
- Built **real 3D-model** from scratch, **performed motion studies**, and created **engineering drawings** for fabrication at Flapping Wings Lab, IIT JODHPUR.
- Demonstrated the fabricated **Proof of Concept** in the Board meeting with **DRDO** officials for opening Centre of Excellence in IIT Jodhpur.
- Skills : • CAD • Engineering Drawing • Aerodynamics • ML

### BITCOIN PRICE PREDICTION | PRML BONUS PROJECT

Guide: Dr.Richa Singh | Keras,Pandas,Sklearn, Pytorch,Numpy,Matplotlib  
Jan 2022- May 2022

- Explored the dataset containing **the opening and closing prices of bitcoins from April 2013 to August 2017**. Performed ADF test and removed trend and seasonal differencing.
- Compared and implemented various time series prediction methods (**like AR / MA/ ARIMA**) discussed in the report of the project.

## ACHIEVEMENTS

- Won **silver medal** for Blue-Yonders Sustainable Supply Chain problem in **Inter IIT-Tech Meet 10.0** for IIT JODHPUR among 17 other IITs.
- Awarded A grade in the course EM1010 (Engineering Mechanics).
- Achieved **98.72** percentile in **JEE(Mains),2020**.
- Achieved **AIR 7751** in **JEE(Advanced),2020**.
- Secured a **State Rank 629** in **Karnataka-CET,2020**.
- Secured a **seat in IISER-Kolkata** based on my performance in its entrance test (IAT,2020).