

Abhishek Gadekar

Pre-Final Year | Electrical Engineering | IIT Jodhpur
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EDUCATION

IIT JODHPUR

B.TECH IN ELECTRICAL ENGINEERING
Expected 2024
Cum. GPA: 7.99 / 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

- Created 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 implemented 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).