Mihir Virendra Parte

Contact Details

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Date of Birth: **13-Jun-2002** (Holding US Passport with valid OCI card)

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An adaptable and enthusiastic Data Science and Machine Learning enthusiast having worked on several projects. Key work areas include **Machine Learning, Data Science**, front-end and back-end web development using MySQL, PHP, JS and HTML/CSS.

Education

Studying for: B. E. in **Computer Engineering** (**Honours in Data Science**)

Sr. No.	Academic	Year of Passing	Institute	% Marks / Grades	Comments
1	10th	2018	Vidyashilp Public School (CBSE)	94.5%	Best All-round student
2	12th	2020	H.B. Girme Junior College (HSC)	81.85%	
3	B. E.	2024	P. I. C. T. (Pune University)	7.86 (CGPA)	Till 3rd year

Skills Summary

- **Languages** - Python, C++, PHP, HTML/CSS
- **Python libraries** – Scikit, Pandas, Numpy, Matplotlib, Plotly
- **Databases** – MySQL, MongoDB

Certificates

1. **Python for Data Science** – NPTEL, **I. I. T. Madras**
2. **Python essentials for Data Science** – **P. I. C. T., Pune**
3. **Data Structures and Object-Oriented Programming using C++** – **P. I. C. T., Pune**

Interests/Hobbies

- Traveling, listening to music, biking, reading fictional books.

Projects/Seminars

1. Data Science Project: **Predicting future Car prices by comparing car's features**
    - This project is based on a dataset from Kaggle.
    - This project provides new businesses a way to decide which products to choose, in order to maximize profits, reduce expenditure loss and predicting future car prices based on viable features decided earlier.
    - Random forest and linear regression models were used to predict future car prices.

    Technology: Python, VS Code.

2. Case Study/Seminar - **Lung Cancer detection using Machine Learning**
    - Studied research papers on Lung Cancer detection.
    - Shortlisted features that would most likely cause Lung Cancer.
    - Researched various **classifier** models like SVM, Naïve Bayes, Decision trees, Random Forest and K-NN.
    - Presented the research paper to college authorities.

3. Database Management Systems Project: **Electric Car Dealership Inventory Management**
    - This project provides an **Inventory management system** to employees of any car dealership that can easily access, modify and keep the data secure from unauthorized users.
    - The aim was to save time by not having to fill up physical records or excel spreadsheets manually.
    - It also aims to provide a user-friendly experience i.e., anyone with a very basic computer knowledge will be able to operate it on the get-go.

    Technology: MySQL, PHP, JavaScript, HTML, CSS, VS Code.

4. Web technology project: **Project Management dashboard**
    - Web application is being developed for Project Management dashboard.
    - Role based privileges will be provided to various roles in the team.

    Technology: MySQL, PHP, JavaScript, HTML, CSS, Plotly, VS Code.

5. Data Science project: **Heart Attack prediction**
    - This project analyses Heart attack dataset and **predicts heart attack possibility** based on various factors present in the dataset.
    - 2 Classification algorithms, Logistic regression and K-Nearest Neighbors (K-NN) were used in this project.

    Technology: Python, VS Code.

6. Natural Language Processing project: **Sentiment Analysis** (In-progress)
    - This project aims to **analyse user sentiments** in social media websites owned by 'Meta' like 'Instagram' and 'Threads'.
    - **Text processing algorithms** will be used.

    Technology: Python, VS Code.

Internships

1. **Cummins India** (Start Date – 28-Aug-23)
    - Received offer letter with a start date on 10-Jul-23 for a period of 10 weeks.
    - It has been delayed from Company side.
2. **i-Neuron** (Start Date – 11-Aug-23)
    - Flights fare prediction – End-to-end
    - Main goal is to predict the fares of the flights based on different factors available in the provided dataset.
    - Approach involves Data Exploration, Data cleaning, Feature Engineering, Model Building and Model testing.
    - **Technology**: Python, VS Code.