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**GitHub** : <https://github.com/Rohitmahajan004> **Portfolio** <https://rohitmahajan2302.netlify.app/>

### **EDUCATION**

**MJ College, Jalgaon** Maharashtra, India

## Bachelor’s of Computer Applications - GPA: 9.10 **September 2021 - June 2024**

### **SKILLS SUMMARY**

* **Languages**: Python, SQL, HTML, CSS
* **Frameworks**: Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn,Flask
* **Tools**: Power BI, Excel, PowerPoint, Tableau, MySQL, SQLite
* **Platforms**: PyCharm, Jupyter Notebook, Visual Studio Code, Intellij IDEA
* **Soft Skills**: Rapport Building, adaptability,People Management, Excellent communication

### **WORK EXPERIENCE**

#### Data Science Intern | Uified Mentor June - July

* Analyzed large datasets to uncover insights and developed interactive visualizations to communicate complex data trends effectively.
* Implemented and optimized machine learning models for predictive analytics, enhancing model performance through efficient data preprocessing and feature selection.
* Applied Natural Language Processing (NLP) techniques to extract meaningful insights from textual data, contributing to the development of user-friendly data-driven applications.

#### Data Science Intern | YBI Foundation April – June

* Developed and optimized machine learning models using Python, improving prediction accuracy and model performance.
* Applied data preprocessing techniques, including cleaning and feature engineering, to prepare datasets for analysis and model training.
* Collaborated with team members to build and deploy data-driven solutions, effectively translating business requirements into actionable insights.

### **PROJECTS**

**Heart Disease Diagnostic** |Unified Mentor  [LINK](https://github.com/Rohitmahajan004/Heart-Disease-Diagnostic-Analysis.git)

* Conducted exploratory data analysis (EDA) on a dataset related to heart disease.
* Implemented machine learning models (e.g., logistic regression, decision trees, random forests) to predict heart disease presence.
* Evaluated model performance using metrics such as accuracy, precision, recall, and AUC-ROC.
* Developed a streamlined process for feature selection and data preprocessing, enhancing model efficiency.

**Data Visualization of Bird Strikes (2000 - 2011):** | Unified Mentor  [LINK](https://github.com/Rohitmahajan004/Data-Visualization-of-Bird-Strikes-between-2000-2011.git)

* Collected, cleaned, and analyzed bird strike data from multiple sources.
* Developed interactive dashboards and visualizations using tools like Tableau/Matplotlib/Seaborn to highlight trends and patterns.
* Presented insights to stakeholders, contributing to data-driven decisions for aviation safety measures.

#### Emotion Detection System [LINK](https://github.com/Rohitmahajan004/Emotion-detection-System.git)

 Developed an emotion detection system using NLP techniques, achieving high accuracy in classifying emotions from textual data.

 Implemented and optimized machine learning models (Naive Bayes, SVM, LSTM) for emotion analysis, leveraging Python libraries such as NLTK, spaCy, Scikit-learn, and TensorFlow.

####  Integrated the emotion detection model into a real-time application, enhancing user experience with insightful emotion analysis.

### **CERTIFICATES**

#### Data Science (MJ College)| [CERTIFICATE](https://github.com/Rohitmahajan004/Data-Science-certificate-.git) March 2024

Completed a comprehensive data science certification program, gaining expertise in data analysis, machine learning, and visualization using Python, R, and SQL. Applied skills in real-world projects.

#### Python Programming| [CERTIFICATE](https://simpli.app.link/tz2OU8Zo2Jb) May 2024

#### Demonstrated proficiency in Python programming, covering data analysis, web development, and automation.

#### Mastered advanced concepts and practical applications, enhancing problem-solving skills and technical expertise.

#### Power BI (Simplilearn) | [CERTIFICATE](https://github.com/Rohitmahajan004/Power-BI-Certificate.git) June 2024

* + Demonstrated proficiency in Power BI through a virtual case study program, covering data visualization techniques, dashboard design, and advanced analytics.
  + Developed skills in data manipulation, visualization, and interpretation using Power BI, enhancing decision-making capabilities and driving actionable insights.