

Skills

- **Machine Learning** (Predictive Modelling, supervised and Unsupervised Algorithms)
- **Random Forest, KMeans, XGBoost, Decision Trees, Naives Bayies**
- **SQL** (MySQL)
- **Python** (Pandas, NumPy, Scikit-learn, matplotlib, Seaborn, Plotly, beautifulsoup, jsonify, urllib)
- **Excel** (VLookup, Conditional Formatting, Pivot Tables)
- **Statistics**
- **Linear Algebra**
- **Calculus and Probability**
- Github
- Flask, API
- **Microsoft Power BI**
- **DeepLearning**(Neural Network, Activation Function)
- **TensorFlow, Keras**

Personal Projects

Marketing Department's Clustering Model For Targeted Ads ([Link](#))

Jan 2024

- Built an Unsupervised **Machine Learning Clustering model** using **KMeans**, to identify **4 distinct clusters** to improve the projected revenue by **30%**.
- **Implemented TensorFlow and Keras** to build a **Deep learning Autoencoder** to perform **Dimensionality Reduction** to **10** from **17**.
- Applied **Within Cluster Sum Of Square (Elbow Method)** to identify the Number of Optimal Clusters.
- Implemented **PCA** to reduce the dimensions to **2**.
- Aggregated and visualized the data by using **pandas, matplotlib**, and **seaborn** to compile a professional report.

HR Department Attrition Reduction Predictive Model ([Link](#))

December 2023

- Built a **Machine Learning Classification model** having an accuracy of **89.94%** through **Logistic Regression**, **86%** through **Random Forest Classifier**.
- **Implemented TensorFlow and Keras** to build a **deep learning model** achieving **91%** and **43% F1 Score** for classes **0** and **1** respectively.
- Applied **OneHotEncoder** to perform **Feature Encoding** and **MinMaxScaler** to perform Feature scaling.
- Aggregated and visualized the data by using **pandas, matplotlib**, and **Seaborn** to compile a professional report.

DIABETES PREDICTION ([Link](#))

November 2023

- Built a **Machine Learning Classification model** having an accuracy of **86%**.
- **Automated** the model by **Preprocessing, Feature Scaling and Encoding** using the **Pipeline**.
- Implemented **Naïve_Bayes Bernaulli Algorithm** technique to train model and performed **Hyperparametric Tuning**
- Aggregated and visualized the data by using **pandas, matplotlib** and **Seaborn** to compile a professional report

FOREST FIRE PREDICTION ([Link](#))

October 2023

- Built a **Machine Learning Regression model** using **scikit-learn**.
- Created data visualization with **matplotlib** and **Seaborn** to help understand statistical correlation.
- Transformed and processed data by using **Pandas and Numpy** to ensure data completeness and validity.
- Provided **insights** on how the Fire months are distributed throughout the year
- Successfully **predicted the Fire Weather Index** with high accuracy.

REVIEW SCRAPPER ([Link](#))

September 2023

- Utilized **Python's BeautifulSoup, jsonify,urllib, urlopen** to build a review scrapper of a popular e-commerce website.
- Used **Flask and Resutful API** to integrate the project and **deployed** it on **AWS** using **Elastic Beanstalk**.
- **Reduced** the manual data collection **time by** almost **70%**.
- Used **MongoDB NoSQL** to store the results in the form of collections.

ABC COMPANY SALES DASHBOARD ([Link](#))

September 2023

- Utilized **Advanced Excel** to aggregate the multiple tables and joined them using **pivot function**.
- Transformed and filtered data by using aggregating and filtering function to **improve reporting process**
- Loaded and visualized data with **Microsoft Power BI** to **identify key business intelligences** that can improve sales performance.

Work Experience

DATA ANALYST INTERN – TechnoHacks Edutech Pvt Ltd

August 2023 - September 2023

- Built a **dashboard** using **Power BI** by **Identifying KPI** of the Employee Demographic Dataset.
- Presented Insights through **Data driven Story telling** using Microsoft office presentation.
- Performed **Data Cleaning , Exploratory Data Analysis** using Pandas and Numpy.

CAREER BREAK – PERSONAL GOAL PERSUIT - (1.5 years)

June 2021 – Jan 2023

Education

BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING – Mumbai University

June 2017 – June 2021

Majors: **Computer Engineering**

CGPA: **9.65/10**

HIGHER SECONDARY CERTIFICATE – Pune Board, Maharashtra

June 2015 – May 2017

Majors: Physics, Chemistry, **Maths**

Grade: **First Class with Distinction**

SENIOR SECONDARY CERTIFICATE – Pune Board, Maharashtra

2014 - 2015

Grade: **91.6%**

Certifications

PYTHON – By Kaggle

SQL FROM BEGINNERS TO ADVANCED FOR DATA PROFESSIONAL – Codebasics

What is Data Science – IBM (Coursera)

INTRODUCTION TO DATA STUDIO – By Google Analytics Academy

ONLINE MICROSOFT POWER BI TRAINING – By BizzWizz

JP Morgan Virtual Experience Program Participant - By Forage

Awards and Achievements

National Level Project Idea Presentation Competition – By IETE --- 1st Prize.

Code Debugging | Virtual Hunt – By Computer Society of India – 2nd Prize.