

SAUMYA JAISWAL

DATA SCIENTIST

CONTACT



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EDUCATION

Diploma In Elementary Education.

Aug 2019-Nov 2021

DIET,RAE BARELI

Teaching Diploma

Bachelor of Technology.

Aug 2015-Oct 2018

FGIET,RAE BARELI

Computer Science and Engg.

Diploma

Jul 2012-Jul 2015

FGP,RAE BARELI

Computer Science and Engg.

High School

Jul 2011-Aug 2012

SADIC,RAE BARELI

Scholarship Holder

EXPERIENCE

office assistant
martund institute
2021-2023

SKILL

Programming Skill

Language : Python and SQL

Python Framework :

- NumPy
- Pandas
- Matplotlib

Data Visualization :

- Tableau
- Seaborn

Supervised Learning :

- Linear Regression
- Logistic Regression
- Decision Tree
- Support Vector Machine

Unsupervised Learning :

- Kmean Clustering
- Principal component analysis(PCA)
- Linear Discriminant Analysis

Relevant Skill

- HTML,CSS
- Django
- Statistics
- MS-Excel
- Deep Learning

ACHIVEMENTS

- I was received 5000 rupees in High School from my school as I was selected as science student and represent my school at district level.
- I lead my final year project with 5 members, and it was selected as project of the year.

PROJECTS AND WORK

Project 1

Projects Name : **Happiness Rank Prediction.**
Purpose : To know **status of countries** based on some parameter.
Technology Used : Linear Regression, Score Standard, Django.

Description :

It is an indexation of happiness based on survey results that was used in the 2012 World Happiness Report. In the survey, the respondents were asked to rate their happiness based on some parameter such as Health, Economic Growth, Comfort etc. on scale from 0 to 10.

Details of the project

- Build a machine learning model to predict Happiness Ranking.
- We build a web app on Django to mount the prediction model.
- We deploy the Django project on Heroku.

Project 2

Projects Name : **Laptop Price Prediction**
Purpose : Predict the price of the laptop based on common feature like Memory, CPU and many more attributes
Technology Used : RandomForest Regression, Streamlit for UI.

Description :

This is simple but important Data Science project. This project simply predicts price of laptop. One of the best things about this project is that it requires **lots of preprocessing and Exploratory Data Analysis (EDA)**. This is basically end-to-end full Data Science Supervised ML Project.

Details of the project

- Loading the Data into Pandas Framework.
- Preprocessing the Data and Data Visualizations.
- Model Building i.e. Selecting the best algorithm for prediction.
- Hyperparameter Tuning, selecting the right parameter for algorithm.
- Saving the model into pickle file and integrating it with UI.
- Deploying the application.

Project 3

Projects Name : **Customer Segmentaion**

Purpose : Divide your customer based on some common chacterstics.These customer Segmentation group used to build marketing persona.

Technology Used : Kmean clustering (Unsupervised Learning)

Description :

We have data set which contain certain parameter and based on those parameters some cluster are assigned to them.

Details of the project

- importing important libraries
- Data Analysis
- Data Preprocessing
- Performing Clustering

Project 4

Projects Name : **ID Card Tampering Detection**

Purpose : This project will help the organization in detecting whether the ID provided to them by their employees or customer is original or not.

Technology Used : Computer Vision

Details of the project

- Get image from user.
- Check size and format of image.
- Change shape and size of image according to the original image.
- covert the image to Grayscale.
- Find the similarity index,thershold and contour.
- Draw bounding Rectangle using these contours.
- Plot Difference,thershold,original and tampered image.
- Compare all the image and check the similarity score to decide tampering.

Tableau Project 5

Projects Name : **India Under Modi Government.**

Purpose : Performance of government based on different parameters. To see how well or bad government did in these years.

Technology Used : Tableau and SQL

Deploy on : Tableau Cloud

Description

Evaluating performance of governments based on parameters. And parameter like...Indias position under this government in **Human Developmment Index , Press Freedom Index Happiness Index, Crime Rate, Infrastructure, Recession, Unemployment, Women Safety** and many more. This will help the people to choose right **leader** for their country.

Certified by :

Data Science Course by **Netzwerk Academy**

Django 4 Masterclass by Ashutosh Pawar Via **Udemy**

Declaration : I hereby declare that the above given information is correct to the best of my knowledge.

Place : Lucknow

Saumya Jaiswal