PRANJAL PRADEEP SONWAL

CONTACT

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LinkedIn Profile

github Profile

PROFILE SUMMARY

Aspiring Data Scientist with a strong foundation in data analysis, RPA automation, and machine learning. Passionate about deriving insights from datasets and optimizing processes through automation. Proficient in Python, R, SAS, and data visualization tools like Tableau and Power BI. Experienced in working with dummy datasets, RPA automation, and web scraping. Strong analytical thinker with excellent problem-solving and teamwork abilities

EDUCATION

BSC. data Science
Mumbai University,
Graduation -2022-2025
SGPA 9.1
SSC-82%
HSC-64%

ADDITIONAL INFORMATION

Technical Skills

Programming Languages: Python, R
Data Analysis Tools: Pandas, NumPy, Matplotlib, Sas, Spark, Social media analysis
Data Visualization Tools: Tableau, Power BI,Excel
Other Skills: Machine Learning, Computer Vision, Web Scraping, Data Cleaning, Android, Web design Research methodology, RPA Automation

Language
English
Hindi

Soft skills
Problem-Solving
Analytical thinking
Team collaboration
Effective Communication

PROJECTS

IPL Win V/S Loss Prediction Click here

The app predicts the win probability of IPL teams during a cricket match based on real-time inputs.

- Users select batting and bowling teams, host city, target score, current score, overs completed, and wickets lost.
- Displays win/loss chances as percentages.
- Calculates derived match metrics like runs required, balls left, current run rate (CRR), and required run rate (RRR) before prediction.

Instagram Reach Analysis Click here

An interactive Streamlit app that analyzes Instagram post reach using visualizations and machine learning.

- Provides distribution plots, pie charts, word clouds, and scatter plots to explore impressions and engagement relationships.
- Offers personalized suggestions and performance comparison based on model prediction versus dataset average.
- Uses a Passive Aggressive Regressor to predict impressions based on user input metrics like likes, comments, and profile visits.

Crop Recommendation On NPK Click here

The system collect environmental inputs—temperature (°C), humidity (%), soil pH, and rainfall (mm)—from the user.

- Predicts the top 3 suitable crops using a trained model.
- Suggests ideal Nitrogen, Phosphorus, and Potassium levels for those conditions.
- Standardizes inputs using a MinMaxScaler for model compatibility

Heart Health Prediction Click here

A web application designed to predict the risk of heart disease using user-input health data.

- Collects medical and lifestyle parameters such as age, cholesterol, smoking habits, blood pressure, BMI, and glucose levels.
- ransforms and scales user inputs before passing them to the model to predict the likelihood of heart disease.
- Displays a clear prediction result—either "Heart Disease" or "No Heart Disease".