

Saurabh Agrawal

Fresher

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Data Analyst with expertise in Python, MySQL, and Power BI. Skilled in Statistics, EDA, and data visualization using Pandas, NumPy, Matplotlib, and Seaborn. Experienced in machine learning and Excel for data-driven decision-making and problem-solving.

SKILLS

Linux | Python | MySQL | Power Bi | Excel | Shell Scripting | Statistics | Data Manipulation | Data Preprocessing | EDA | Pandas | Numpy | Matplotlib | Seaborn | Machine Learning | AWS | Django

EDUCATION

Post Graduate Diploma In Big Data Analytics | CDAC, Mumbai

Mar 2023 - Sep 2023

- Project Leader In Exploratory Data Analysis Of Diwali Sales
- Team Member in creating HR Analytics Dashboard via Power Bi
- Project Leader In Csv Analysis Using Django

Btech In Mechanical Engineering | Dr Babasaheb Technological University, Jalgaon

Jul 2019 - Jul 2022

- Cricket Team Captain At Zonal Level
- Quiz Competition Team Member
- News Reading Runner Up
- Organizer and member of sports

PROJECTS

Algerian Forest Fires Dataset Analysis and Prediction | Cdac, Mumbai

Apr 2023 - Jan 2023

- In this project, I worked with the Algerian Forest Fires dataset to perform comprehensive data cleaning, exploratory data analysis, and feature engineering
- I applied various regression models including Linear Regression, Lasso, Ridge, and ElasticNet to predict the Fire Weather Index (FWI), a key measure of fire risk.
- I utilized correlation-based feature selection and applied scaling techniques for model optimization.
- Cross-validation was used to fine-tune hyperparameters for Lasso, Ridge, and ElasticNet models, achieving improved prediction accuracy. The project also involved visualizing model performance and checking for multicollinearity using heatmaps.

CSV analysis using Django | Cdac, Mumbai

May 2023 - Jun 2023

- The project aims to provide a web application using Django for analyzing CSV files uploaded by users. It includes features for basic data analysis and visualization
- File Upload: Users can upload CSV files via a web interface. The uploaded files are saved on the server for processing.
- Data Analysis: The application reads the uploaded CSV files and performs basic data analysis using pandas.
- Data Visualization: The application generates histograms for numeric columns in the CSV file using matplotlib and seaborn. The generated plots are saved as static images and displayed to the user.
- Result Presentation: The results of the data analysis and visualization are presented on a web page. Users can view the data summary, null value counts, and generated plots directly on the results page.

HR Analytics Dashboard Using Power Bi | Cdac, Mumbai

Jun 2023 - Jun 2023

- I successfully designed and developed an HR Analytics Dashboard using Power Bi, providing valuable insights into workforce data. This project encompassed the following key components.
- This HR Analytics Dashboard project demonstrated my proficiency in data visualization, data integration, and HR analytics using Power Bi.