

SWATI GADEKAR

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SUMMARY

Driven Data Analyst with hands-on internship experience at Code Spyder Technologies, specializing in machine learning and predictive modeling. Proficient in Python, SQL, and data visualization tools like Power BI and Matplotlib. Expertise in transforming complex datasets into actionable insights through feature engineering and model evaluation. Adept at deploying real-world applications such as house price prediction and sentiment analysis. Passionate about leveraging data to drive impactful decisions and solutions.

WORK EXPERIENCE

Code Spyder Technology [Data analyst Intern]

Jan/2023 to Jun/2023

Pune

Tech company focused on software and machine learning solutions.

Key Responsibilities

1. Dataset Collection : Gather and integrate historical house price data and corresponding features from platforms like Zillow or Kaggle.
 2. Data Preprocessing : Clean and preprocess data, handling missing values and performing feature engineering.
 3. Data Splitting : Divide dataset into training and testing sets for model building and evaluation.
 4. Model Development : Design and train a linear regression model to learn relationships between features and house prices.
 5. Model Evaluation : Assess model performance using metrics like MSE or RMSE.
 6. Model Fine-tuning : Adjust hyperparameters or explore alternative algorithms to enhance model accuracy.
 7. Deployment and Prediction : Deploy the optimized model in a real-world application for predicting house prices based on user inputs.
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SKILLS

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|------------------------------------|------------------------------|---------------------------|
| • Algorithms Data Science | • Feature Engineering Github | • Power BI python seaborn |
| • Data Visualization Deep Learning | • Machine Learning Modelling | • Sentiment Analysis |
| • EXCEL Exploratory Data Analysis | • Matplotlib | • Jscript |
| • Natural Language Processing | • Mongo db | • Zillow |
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Education

Master of Computer Application
Vivekanand College

07/2023 to Present
Aurangabad

Bachelor of Computer Application
Deogiri College

07/2019 04/2022
Aurangabad

Projects

Project 1: Wine Quality Prediction

Project Description

Predicting wine quality using machine learning techniques to analyze dataset and identify key factors affecting wine quality.

Key Skills Used

- Machine learning
- Data analysis
- Python
- Scikit-learn
- Pandas

Responsibilities

- Imported libraries and dataset
 - Conducted exploratory data analysis
 - Developed and trained machine learning models
 - Evaluated model performance
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Project 2: Amazon Product Reviews Sentiment Analysis

Project Description

Analyzed Amazon product reviews using natural language processing techniques to determine sentiment and identify key factors driving customer satisfaction.

Key Skills Used

- Natural language processing
- Sentiment analysis
- Text preprocessing
- Python
- NLTK
- Scikit-learn

Responsibilities

- Imported libraries and dataset
 - Preprocessed and cleaned reviews
 - Analyzed dataset and converted text into words
 - Trained, evaluated, and predicted sentiment models
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Project 3: HR Analytics Dashboard

Project Description

Created an HR analytics dashboard using Power BI to visualize employee data and provide insights for HR decision-making.

Key Skills Used

- Data visualization
- Power BI
- Dashboard design
- HR analytics

Responsibilities

- Imported libraries and dataset
- Selected dashboard background and design
- Created dashboard visualizations for employee details
- Finalized dashboard with interactive features