

Milind Ashok Dhawale

Email: milinddhawale05@gmail.com

Mobile: 7700055292

LinkedIn: <https://www.linkedin.com/in/milind-dhawale/>

GitHub: <https://github.com/milindxyz9>

CORE SKILLS

Python, MySQL, NumPy, Pandas, Matplotlib, Seaborn, Sklearn, NLTK, Machine learning, Data Science life cycle, Supervised and Unsupervised learning algorithms, Agile, Git/GitHub, Jenkins, Docker, AWS, OCR

SUMMARY

- Knowledge in Data Pre-processing, Building Machine Learning Algorithms, and providing decision-making insights through storytelling.
- Knowledge in Python, Data Structure, Data Science (NumPy, Pandas, Matplotlib, Seaborn, Sklearn), Tensorflow, PyTorch, Tesseract, and Machine Learning (Linear, Logistic, Multilinear Regression, Decision Tree and Random Forest, K-Means Clustering, KNN, OCR, Audio Speech Signal Processing).
- Bachelor's in Electronics and Telecommunication from Mumbai University, (India) in June 2021.
- Proficient in Python programming language.

TECHNOLOGY STACK

- Languages: Python & Data Structure
- Operating Systems: Unix/Linux, Windows, Embedded Linux
- Data Analysis: NumPy, Pandas
- Data Visualization: Matplotlib, Seaborn, Scikit-learn, MS-Excel, Power BI, Tableau
- Database: SQL
- Domain: Machine Learning, Deep-Learning, OCR,
- Machine Learning: Regression/Classification, DT, RF, K-Means Clustering, KNN
- Deep Learning: TensorFlow, Keras, CNN, ANN
- NLP: NLTK, Tokenization, Stemming
- VCS: GIT/GitHub
- Agile Methodology: Jenkins
- IDE: Python IDLE (Latest: 3.10), PyCharm, Jupyter Notebook, Keil, etc.

PROJECTS

Forest Fire Prediction using Weather Data

Description:

Built a machine learning model to predict forest fire occurrences based on weather conditions and Fire Weather Index (FWI) components, aiding in proactive fire management and resource allocation.

Key Points:

- Conducted Exploratory Data Analysis (EDA) to understand weather patterns and fire occurrences.
- Engineered features to improve model performance and accuracy.
- Developed and trained a Ridge Regression model for predicting fire-related indices.
- Evaluated model performance using metrics such as RMSE.
- Deployed the model using Flask for real-time predictions.

Tools & Technologies: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Flask

Sales Forecasting for Retail using Time Series Techniques

Description:

Developed an LSTM-based time series forecasting model to predict weekly retail sales, enabling better inventory management and business decision-making.

Key Points:

- Preprocessed and scaled a dataset with over 400,000 records.
- Designed and trained an LSTM model for accurate sales predictions.
- Evaluated model performance using Time Series Cross-Validation.
- Achieved a Test RMSE of 0.0075 and Relative RMSE of 29.37%.
- Visualized sales trends to enhance interpretability.

Tools & Technologies: Python, Pandas, NumPy, Matplotlib, TensorFlow/Keras, Scikit-learn

PERSONAL DETAILS

- **Date Of Birth:** 12th August 1999
- **Language Known:** English, Marathi, Hindi
- **Address:** Mumbai
- **Nationality:** Indian