

ABHISHEK DESHMUKH

DATA SCIENTIST

CONTACT

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- [GitHub](#)
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SKILLS

- PYTHON:**
NumPy, pandas, Matplotlib, Seaborn
- DATABASE:**
MySQL, MS-SQL
- GIT:**
GitHub Desktop, GIT
- TIME SERIES:**
Forecasting, ARIMA, SARIMA
- MACHINE LEARNING:**
Regression Classification.
- CLUSTERING:**
Kmeans, Hierarchal, DBSCAN.
- DEEP LEARNING:**
ANN, CNN, Perceptron, Back Propation Optimizer.
- VISUALIZATION:**
Seaborn, Matplotlib, Power BI

EDUCATION

B.Sc (Computer Sciece)

Shiv Chhatrapati college, 2021 - 2023
Chhatrapati Sambhajnagar, 431001

UNIVERSITY:

Dr.Babasaheb Ambedkar Marathvada
University, Chhatrapati Sambhajnagar

CERTIFICATION:

- FULL STACK DATA SCIENCE
- PYTHON (Let's Upgrade)
- Youth Employment Program (TCS)

WORK EXPERIENCE -

INTERN

01/24 - 07/24

CAR PRICE PREDICTION

- Inspected datasets to understand structure and identify missing values or irrelevant columns. Performed data cleaning by removing duplicates, handling missing values, and dropping irrelevant columns.
- Created new features and modified existing ones to enhance model performance.
- Split the dataset into training and testing sets, and selected Linear Regression for modeling. Trained the model using column transformers and pipelines.
- Evaluated model performance using Mean Absolute Error (MAE), and optimized hyperparameters using Grid Search or Random Search. Conducted final evaluation on the test set.
- Deployed the final model as a web service using Flask for practical application.

PROJECTS

CREDIT CARD TRANSACTION & CUSTOMURE REPORT

- Credit card financial dashboard using Power BI:
- Developed an interactive dashboard using transaction and customer data from a SQL database, to provide real-time insights.
- Streamlined data processing & analysis to monitor key performance metrics and trends.
- Shared actionable insights with stakeholders based on dashboard findings to support decision-making processes

HOME LOAN SANCTION

- Conducted EDA and cleaned insurance data, achieving a baseline model accuracy of 75%. Enhanced model accuracy to 82% through feature engineering and hyperparameter tuning, and developed machine learning models including linear regression, random forest, and gradient boosting.
- Collaborated with team to implement feature engineering strategies, improving model performance.
- Documented project workflow, including data preprocessing, model selection, and achieved outcomes.

GENERATIVE AI

IMAGE CLASSIFICATION MODEL

- Built a CNN-based image classification model using Python and TensorFlow.
- Achieved 80% to 98% accuracy on the Fruit Vegetable Dataset.
- Implemented data augmentation and regularization to improve performance and prevent overfitting.
- Deployed the model using Streamlit for real-time predictions

AI CHATBOT WITH GOOGLE GENERATIVE AI & STREAMLIT

- Developed an AI-powered chatbot using Google's Gemini Pro model and Streamlit, enabling real-time, natural language interactions. Implemented secure API handling and optimized the UI for seamless user experience.

AI POWERED CHATBOT AND AUTOMATED PRESENTATION GENERATOR

- Developed an AI-driven application using Google's Gemini Pro model and Streamlit to generate real-time responses and create PowerPoint presentations based on user input. Implemented secure API handling, content generation, and automated presentation creation using Python's python-pptx library.