

SWAPNIL DEVIDAS CHAVAN

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🌐 <https://github.com/tushar384>

SUMMARY

I am a data enthusiast with a Post Graduate Diploma in Big Data Analytics & Machine Learning from CDAC. Proficient in SQL, Machine Learning, and Deep Learning, I excel at transforming complex data into actionable insights. With skills in data preprocessing, statistical analysis, and predictive modeling, I am eager to leverage my analytical expertise to drive data-driven decisions as an entry-level Data Analyst.

EDUCATION

Centre for Development of Advanced Computing

PG-Big Data Analytics - **Grade - B**

03 2023 – 08 2023

Bengaluru, India

K.C.E College Of Engineering

Electrical Engineering - Bachelor of Technology - **Grade - B**

06 2014 – 08 2018

Jalgaon, India

PROJECTS

Mumbai Property Price Analysis 🏠 | SQL | Machine Learning 🔗

08 2023

- **Advanced Data Analysis & Transformation:** Leveraged complex SQL queries with JOINS, Window Functions (ROW_NUMBER(), DENSE_RANK()), and Common Table Expressions (CTEs) to derive insights and rank properties by value.
- **Performance Optimization:** Enhanced query efficiency on large datasets by implementing indexing and query restructuring, reducing processing time and ensuring faster data retrieval.
- **Predictive Modeling & Feature Engineering:** Developed predictive models (e.g., Linear Regression, Decision Trees) for property price forecasting, improving model accuracy through feature engineering and hyperparameter tuning.
- **Model Evaluation & Optimization:** Assessed model effectiveness with key metrics (e.g., RMSE, R-squared) and refined models by adjusting algorithms and parameters to maximize predictive power.

Face Mask Detect by CNN 😊 / Deep Learning 🔗

08 2023

- Implemented CNN architecture for accurate face mask detection, ensuring robust performance across various scenarios.
- Applied advanced image preprocessing techniques to optimize input data for effective feature extraction.
- Leveraged transfer learning with pre-trained CNN models to expedite training and improve detection accuracy.
- Conducted extensive hyperparameter tuning to enhance model performance, achieving superior precision and recall rates.

Facial Emotion Recognition / Computer Vision 🔗

08 2023

- Implemented a robust face recognition system using Computer Vision techniques with the CV2 library, enabling real-time detection and identification of faces in diverse environments.
- Leveraged the powerful capabilities of the CV2 library to perform efficient face detection and recognition, enhancing the accuracy and reliability of the face recognition system.
- Successfully deployed the face recognition system in real-world applications, facilitating instant identification and authentication for improved security measures and operational efficiency.

TECHNICAL SKILLS

Languages: Python, SQL,

Developer Tools: Jupyter Notebook, Power BI, MS Excel

Technologies/Frameworks: NumPy, Pandas, Scikit-learn, Machine Learning, Deep Learning, OpenCV, Keras.

LANGUAGES

English, Hindi, Marathi