Sakshi Desale

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https://github.com/sakshi43

Summary

Recent graduate in Information Technology eager to contribute technical skills and knowledge to a dynamic team and further develop expertise in the IT industry. Skilled in developing and maintaining Python-based applications with a focus on writing efficient, reusable, and reliable code.

Education

BE (Information Technology) CGPI: 9.45

MHSSCOE University, Mumbai
12/2020 – 06/2024

12th (76%)

Murbad, 06/2020

10th (86.6%)

Dhasai, 06/2018

Projects

- **Cyclone Intensity Estimation**:
  - Improved a machine learning model to predict cyclone intensity based on various meteorological data including wind speed, atmospheric pressure, and temperature.
  - Utilized advanced machine learning techniques such as ensemble methods and time series analysis to enhance the accuracy and robustness of the model.
  - (07/2023 – 04/2024)

- **House Price Prediction**:
  - Improved a sophisticated machine learning model leveraging various algorithms including linear regression, decision trees, and ensemble methods to predict house prices accurately.
  - Conducted extensive data preprocessing, including feature engineering and normalization, to optimize the model's performance and handle outliers effectively.
  - (01/2023 – 08/2023)

- **Sentiment Analysis**:
  - Designed and improved a comprehensive sentiment analysis tool utilizing state-of-the-art Natural Language Processing (NLP) techniques to analyze text data and extract sentiment polarity.
  - Leveraged sentiment scoring algorithms, including lexicon-based and machine learning-based approaches, to quantify and classify the sentiment of text inputs into positive, negative, or neutral categories.
  - (08/2023 – 12/2024)

- **Tomato Leaf Diseases Prediction**:
  - Improved a predictive model using convolutional neural networks (CNN) to detect and classify diseases affecting tomato plants based on leaf images.
  - Implemented data augmentation techniques to increase the dataset size and improve model accuracy.
  - (11/2023 – 03/2024)

Skills

- Data Operations: Data Sourcing, Validation, Maintenance, Cross-Asset Class Data
- Machine Learning: ML, DL, NLP, Data Analytics
- Programming: Python, C++
- Tools: TensorFlow, Keras, Scikit-learn, Google Sheets
- Databases: SQL, PLSQL
- Libraries: Pandas, NumPy
- Data Visualization: Dashboards, Matplotlib, Seaborn, Power BI
- Data Acquisition: Web Scraping
- Proficiency in Excel: Advanced functions and data analysis tools

Certificates

- Deep Learning Certification, Personify (01/2023 – 04/2023)

- Machine Learning Certification, Acmegrade (06/2022 – 10/2022)

- Cloud Semester I and II, AWS Academy (01/2024 – 04/2024)