

# Malhar Shinde

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Machine Learning enthusiast with a demonstrated history of designing and deploying effective machine learning models. Proficient in executing in-depth research, fostering collaboration across diverse teams, and achieving significant outcomes. Dedicated to harnessing state-of-the-art methodologies and technologies to propel organizational advancement and refine decision-making frameworks.

## Education

Bachelor of Technology in Computer Science and Engineering, Nirma University

2020- Present

## Internship

- **Java Intern at byPeople Technologies** *June 2023 - July, 2023*
  - Designed a comprehensive application using Spring Boot to forecast real-time weather conditions for major cities in India.
  - Implemented Rest API to seamlessly fetch and integrate real-time weather data, ensuring the application provides up-to-the-minute and accurate information.
  - The application stands as a testament to my ability to conceive, design, and implement a functional and responsive system that delivers real-time weather forecasts to users. This project not only underscores my technical proficiency but also highlights my commitment to creating practical and impactful solutions.
  - The database used to store the data was MongoDB.

## Projects

- **DL based Cryptocurrency Price Prediction** *November, 2023*
  - Applied analytical skills to interpret and understand complex financial datasets, contributing to the development of a predictive model with real-world implications.
  - Developed a deep learning-based model for predicting cryptocurrency prices, employing Long Short-Term Memory (LSTM) as the chosen algorithm.
  - Achieved a commendable accuracy rate of 79.9% on a dataset consisting of 24 million data points, highlighting the effectiveness of the implemented LSTM model in forecasting cryptocurrency prices.
  - Utilized a comprehensive dataset comprising timestamp, open, close, high, low, volume, VWAP information for 13 different cryptocurrencies.
- **Power Line Fault Detection and Classification** *September, 2023*
  - Implemented a project focused on the detection and classification of faults in power lines, providing a comprehensive solution to ensure the reliability of power systems.
  - Initiated the project by visualizing the dataset containing crucial information such as three line currents and voltages in the circuit.
  - Employed a Random Forest classifier to accurately identify the presence of faults in the power line, achieving an impressive accuracy rate of 99.62%.
  - Conducted a comparative analysis of multiple classification models, including SVM, Decision Tree, K Neighbor Classifier, and Random Forest, to determine the most effective approach for fault classification.
  - Classified identified faults into specific types, including LG (Line to Ground), LL (Line to Line), LLG (Line to Line to Ground), LLLG (Triple Line to Ground), and LLL (Triple Line to Line).
  - Among the models tested, the Decision Tree classifier emerged as the most successful in fault classification, boasting an accuracy of 88.23%.

## Skills

- Data Pre Processing and Cleaning
- Knowledge of Data Storage and Retrieval Systems
- Proficiency in Machine Learning algorithms and models
- Strong Research Skills
- Knowledge of Software Engineering Principles