

Varun Donode

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[GitHub Profile](#)

[LinkedIn Profile](#)

Technical Skills

Languages: Python, C, C++

Developer Tools: VS Code, Github, Jupyter Notebook, Google Colab, Linux

Frameworks: Scikit-learn, Keras, Numpy, Pandas, Matplotlib, Seaborn, Librosa

Projects

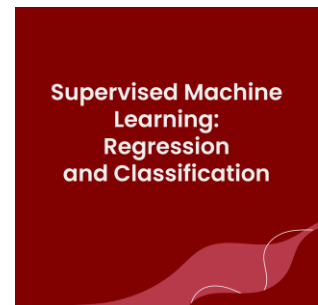
[Real Estate Prediction](#)

- Developed a robust Real Estate Price Prediction System using Python and libraries like **SciKit learn**, **Pandas**, **Matplotlib**, **Seaborn** and **NumPy**.
- Achieved **high accuracy** in **calculating the prices with respect to multiple parameters**.
- Used **Gradient boosting model** for higher accuracy and efficiency.
- **Evaluated model** performance using metrics like **Mean Absolute Error (MAE)**, **Root and Mean Squared Error (RMSE)**,

[Speech Sentiment Analysis](#)

- Designed and implemented a **deep learning model** combining **CNN** and **LSTM** layers to classify six distinct emotions from audio files.
- Extracted MFCCs and applied **data augmentation** techniques like time stretching, pitch shifting, and noise addition to **enhance dataset diversity**.
- Utilized techniques like dropout, learning rate reduction, and standardization to **improve model generalization and performance**.
- Analyzed training performance through accuracy/loss plots and achieved ~49% accuracy, with ongoing efforts to enhance results.

Certifications



Education

Kalinga Institute of Industrial Technology

BTech, Computer Science and Engineering

2022-2026

CGPA: 7.90