Bhushan Dive

3rd Electronics Engg | Email | Github| LinkedIn |

Education

Yashwantrao Chavan College of Engineering - Bachelor of Technology in Electronics Engineering.
(2020-2024)

- **Relevant Courses:** Introduction to DataScience, Applied Machine Learning.

Skills

Languages: C, Python, HTML, CSS, SQL.
Tools and Framework: Numpy, Pandas, Keras, Matplotlib, Raylib, ScikitLearn, Bootstrap, Flask, Linux, Git, Tensorflow, Pytorch, NLTK

Projects

Digit Classification using Shallow Algorithms:

- Purpose: The purpose of this project was to develop a system for recognizing digits using various shallow learning algorithms.
- Scope: The project involved implementing and evaluating the performance of Naive Bayes, Decision Tree, KNN, Random Forest, and Ada Boost algorithms for digit recognition using the MNIST dataset. The project also included performing Principal Component Analysis (PCA) on the data to reduce its dimensionality.
- Main achievements: The project achieved an accuracy of 96.70% using KNN, making it the best-performing algorithm among all the evaluated models. The implementation of PCA helped in improving the efficiency of the recognition system.

Cat and Dog Image Classification using Convolutional Neural Networks:

- Purpose: The purpose of this project was to develop a deep learning model for classifying images of cats and dogs using Convolutional Neural Networks (CNNs).
- Scope: The project involved implementing a CNN model using Tensorflow and Keras libraries and evaluating its performance on a dataset of cat and dog images.
- Main achievements: The project achieved an accuracy of 80% on the classification task, demonstrating the effectiveness of the developed CNN model. The use of Tensorflow and Keras allowed for a streamlined and efficient implementation of the model.

Static Blog Site using Jekyll and Bootstrap (Site Link) :

- Scope: The project involved setting up a Jekyll site, customizing the design using CSS, implementing on-page search engine optimization (SEO) techniques, and making the site responsive using the Bootstrap framework.
- Main achievements: The project resulted in a fully functional, customizable, and responsive static blog site that was optimized for search engines. The use of Jekyll allowed for easy site maintenance, while Bootstrap ensured that the site was mobile-friendly and looked good on all screen sizes.