Parth Suthar

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EDUCATION

LDRP Institute of Technology and Research Gandhinagar, Gujarat
Bachelor of Engineering in Computer 2018-2022
CPI: 8.32/10

Relevant Coursework: Discrete Mathematics, Data Structures & Algorithms, Database Management Systems, Probability, Statistics and Numerical Methods, Design & Analysis of Algorithms, Machine Learning , NLP

PROJECTS

Optical Character Recognition (OCR):

- Build **real time** OCR using **Tesseract** engine which recognizes any scanned English text and converts it in digital form used for Number plate recognition, Convert books in digital form.
- **Technologies Used:** Python, OpenCV, Pytesseract

Cat and Dog Classification:

- **Classification model** that classifies an input image into a category of a cat or a dog
- **Technology used:** Python, Keras and CNN
- **Accuracy:**86.11%

Forest Cover Type Prediction:

- Build a forest cover type prediction model that predicts what kind of tress predominantly grow in area (Cover_Type) based on information like Elevation, Aspect, Slope, Vertical and Horizontal Distance to Hydrology, Hillshade indices, 4 Wilderness Areas, 40 Soil Types.
- **Technologies used**: Python, Jupyter Notebook, Random Forest
- **Accuracy**: 95.19%

Spam Text Classification:

- Build a text classification model that classifies text in spam or ham **using sklearn** and **Natural Language Toolkit** with **96.76% accuracy**.
- **Technology used:** Python, Jupyter Notebook, Naïve Bayes

Airport Management System:

- Build a web application which can be used to book tickets**,** view and manage origin/destination and check the passengers traveling on any flight. It consists of three **Django modules: Airport, Flight and Passenger**.
- **Technologies used:** HTML, CSS, Python, Django Framework

SKILLS

Programming Languages: Proficient in C++, Python. Familiar with Java
Web Development: HTML, CSS, JavaScript, JSON, Bootstrap, React, Django
Database: SQL
Machine Learning: Linear Algebra and Statistics, Basic models for Regression, Classification and Clustering
Deep Learning: Convolutional Neural Network, Autoencoders, Generative Adversarial Network
Tools: Git