

Akshar Savaliya

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Education

A D PATEL INSTITUTE OF TECHNOLOGY, B.Tech ,Artificial Intelligence and Data Science

2022 - Present

- GPA: 8.16/10.0

Skills

Languages: Python,HTML,CSS,SQL

Framework/Library: Pandas,Numpy,Scikit-learn,Matplotlib,Machine learning Algorithms(KNN,Logistic regression,Linear regression,NLP(nltk)

Technologies: Jupyter Notebook,Excel

Projects

SONAR - ROCK OR MINE PREDICTOR

- - Developed Machine Learning model to classify sonar signals as either rock or mines,using Sanar dataset from the UCI - Machine learning repository.
 - The project involved preprocessing data,feature selection,model training and evaluation using various Machine Learning Algorithms,including logistic regression,K-nearest neighbors,and support vector machines.
 - Optimized the model using hyper-parameter tuning and achieved an accuracy of 76 by using libraries like pyhton,Numpy,Pandas,Scikit-learn

Movie Recommendation System

- -esigned and developed a personalized movie recommendation system using machine learning techniques to suggest movies based on user preferences and interactions.
 - Implemented content-based filtering to recommend movies based on genre, director, and cast.
 - Technologies Used: Python, Pandas, NumPy, Scikit-learn
 - Improved recommendation accuracy using hyperparameter tuning and model optimization.

Churn.Ai

- -Designed and developed a fully responsive 5-page web application to predict customer churn for various companies using a machine learning model.
 - Built intuitive user interfaces with HTML, CSS, and JavaScript, featuring smooth animations and a modern UX.
 - Implemented secure user authentication (Login Sign Up) and seamless navigation through company and user detail input forms.
 - Engineered a robust backend pipeline to collect, process, and analyze data, integrating a trained churn prediction model for real-time insights.
 - Optimized for scalability and generalization across industries, enabling companies to identify at-risk customers and reduce attrition effectively.

Certification

- -Machine Learning with Python – IBM (Coursera) Issued: November 9, 2024
- Python Data Structures – University of Michigan (Coursera) Issued: April 17, 2024