INTERNSHIP PROJECTS

About Lesson

Perform any one project.

1. **Stock Price Predictor**
   - Develop a model that predicts stock prices based on historical data.
   - Use linear regression or more advanced techniques if desired.
2. **Sentiment Analysis on Twitter Data**
   - Build a sentiment analysis tool to classify tweets as positive, negative, or neutral.
   - Use Natural Language Processing (NLP) libraries like NLTK or SpaCy.
3. **Handwritten Digit Recognizer**
   - Train a Convolutional Neural Network (CNN) to recognize handwritten digits using the MNIST dataset.
   - Useful for learning about image processing and CNNs.
4. **Movie Recommendation System**
   - Build a simple recommendation system that suggests movies based on user ratings or genres.
   - Implement collaborative filtering or content-based filtering techniques.
5. **Customer Churn Prediction**
   - Predict whether a customer will leave a service based on historical data.
   - Use classification techniques to analyze customer behavior and identify key factors.
6. **Chabot for Customer Service**
   - Develop a rule-based or simple NLP-based Chabot for answering basic customer queries.
   - Great for understanding basic NLP techniques and Chabot design.
7. **Spam Email Classifier**
   - Train a model to detect and filter spam emails based on email content.
   - Use techniques like Naive Bayes or Support Vector Machines (SVM) for classification.
8. **Image Classifier for Fruits**
   - Build a model to classify different types of fruits (e.g., apple, banana, orange) from images.
   - Use a small dataset and CNNs for image classification.
9. **Weather Data Analysis and Prediction**
   - Analyze historical weather data and predict future temperature trends.
   - Useful for working with time series data and basic regression techniques.
10. **Speech-to-Text Transcription**
   - Create a simple tool that converts audio recordings into text.
   - Use basic libraries for speech recognition (e.g., Speech Recognition in Python).