



Data Science

Project Ideas/Titles

S.No	Title	Description
1	Customer Segmentation	Use clustering algorithms to segment customers based on purchasing behavior.
2	Churn Prediction	Predict customer churn using machine learning models and historical data.
3	Sentiment Analysis	Analyze customer reviews or tweets to determine sentiment (positive, negative, or neutral).
4	House Price Prediction	Predict house prices using features like location, size, and amenities with regression techniques.
5	Movie Recommendation System	Build a recommendation system for movies based on user preferences and viewing history.
6	Fraud Detection in Banking	Detect fraudulent transactions using anomaly detection techniques.
7	Social Media Analytics	Analyze trends, user engagement, and sentiment on platforms like Twitter or Instagram.
8	Stock Market Analysis	Use time-series analysis to predict stock prices or market trends.
9	Traffic Flow Prediction	Predict traffic congestion using historical traffic and weather data.
10	Retail Sales Prediction	Forecast sales for retail stores using transactional and seasonal data.



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S.No	Title	Description
11	Energy Consumption Analysis	Predict energy usage patterns in homes or industries using IoT data.
12	E-commerce Recommendation System	Build a system to recommend products on e-commerce platforms based on user behavior.
13	Air Quality Index Prediction	Predict AQI levels based on environmental and weather data.
14	Sports Performance Analysis	Analyze team or player performance using historical sports data.
15	Chatbot Training Data Preparation	Preprocess and clean datasets to train chatbots for specific industries.
16	Personalized Diet Recommendation	Use data on user health and preferences to suggest personalized diet plans.
17	Healthcare Predictive Analytics	Predict disease risks based on patient data using classification algorithms.
18	Image Classification	Build a model to classify images, such as distinguishing between different animals or objects.
19	Road Accident Analysis	Analyze factors contributing to road accidents and predict accident-prone areas.
20	Weather Forecasting	Use historical weather data to predict future weather conditions.



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S.No	Title	Description
21	Demand Forecasting	Predict demand for products or services to optimize inventory and supply chains.
22	Natural Language Processing (NLP) Tasks	Perform tasks like text summarization, keyword extraction, or entity recognition from text data.
23	Tourism Analysis	Analyze tourism data to identify popular destinations and peak travel periods.
24	Employee Performance Analysis	Analyze employee performance and predict attrition using HR data.
25	Music Genre Classification	Classify songs into genres based on audio features.
26	Election Result Prediction	Predict election results based on past voting patterns and demographic data.
27	COVID-19 Case Prediction	Forecast COVID-19 case trends using time-series analysis.
28	Dynamic Pricing Model	Build a pricing model for services like ride-sharing or hotel bookings based on demand patterns.
29	Vehicle Maintenance Prediction	Predict when a vehicle might require maintenance using sensor and operational data.
30	Food Delivery Time Prediction	Analyze factors affecting food delivery times and build a predictive model.



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