

# Machine Learning Projects

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graph LR; A[Machine Learning Projects] --- B[Beginner]; A --- C[Intermediate]; A --- D[Advanced]; B --- B1[Iris Flower Classifier -> Classify flower types]; B --- B2[Titanic Survival Prediction -> Who survives the Titanic?]; B --- B3[Spam/Ham Email Classifier -> Filter spam mails]; B --- B4[House Price Prediction -> Predict based on size, location]; C --- C1[Movie Recommendation System -> Suggest movies like Netflix]; C --- C2[Sentiment Analysis -> Classify tweets/reviews as Positive/Negative]; C --- C3[Stock Price Prediction -> Predict next-day stock movements]; C --- C4[Fake News Detection -> Detect real vs fake articles]; D --- D1[AI Chatbot with NLP -> Human-like conversation]; D --- D2[Object Detection (YOLO/RCNN) -> Detect multiple objects in Images]; D --- D3[Autonomous Driving Simulation -> Self-driving car model]; D --- D4[Voice Assistant (Speech-to-Text + NLP) -> Like Alexa/Siri];
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## Beginner

**Iris Flower Classifier** → Classify flower types

**Titanic Survival Prediction** → Who survives the Titanic?

**Spam/Ham Email Classifier** → Filter spam mails

**House Price Prediction** → Predict based on size, location

## Intermediate

**Movie Recommendation System** → Suggest movies like Netflix

**Sentiment Analysis** → Classify tweets/reviews as Positive/Negative

**Stock Price Prediction** → Predict next-day stock movements

**Fake News Detection** → Detect real vs fake articles

## Advanced

**AI Chatbot with NLP** → Human-like conversation

**Object Detection (YOLO/RCNN)** → Detect multiple objects in Images

**Autonomous Driving Simulation** → Self-driving car model

**Voice Assistant (Speech-to-Text + NLP)** → Like Alexa/Siri