

# AI Python Projects Suggestions

1. Basic Chatbot (Beginner): Build a simple rule-based or FAQ-based chatbot that can answer questions or hold basic conversations.
2. Sentiment Analysis Tool (Beginner): Create a sentiment analysis model that predicts whether a given piece of text is positive, negative, or neutral.
3. Stock Price Prediction (Intermediate): Use historical stock data to predict future stock prices.
4. Image Classifier (Intermediate): Build a machine learning model to classify images into categories (e.g., identifying animals, fruits, etc.).
5. Handwritten Digit Recognition (Intermediate): Use deep learning techniques to classify handwritten digits from the MNIST dataset.
6. AI-Powered Music Generator (Advanced): Build a model that generates music based on input patterns or learned styles from different composers.
7. Face Recognition System (Advanced): Create an AI system that can identify or verify individuals from images or video streams.
8. Self-Driving Car Simulation (Advanced): Create a simulation of a self-driving car using reinforcement learning.
9. Recommendation System (Advanced): Build a recommendation engine that suggests products, movies, music, etc., based on user preferences.
10. AI-Powered Game Bot (Advanced): Build a game bot that learns to play games like Tic-Tac-Toe, Chess, or other board games using Reinforcement Learning.
11. Object Detection in Images (Advanced): Build an object detection model that identifies and locates objects in images.
12. AI-Based Text Summarizer (Intermediate): Create a tool that automatically summarizes long pieces of text into concise summaries.
13. AI-Powered Virtual Assistant (Advanced): Build a virtual assistant capable of understanding user input and executing commands (like Siri or Alexa).

14. AI for Health Prediction (Intermediate/Advanced): Build a machine learning model to predict health outcomes based on historical data.
15. AI-Powered Fraud Detection System (Advanced): Build an AI system that detects fraudulent activity, such as in banking or e-commerce transactions.