**Project Title: Medication Advisory System using Machine Learning**

**Project Overview:**

The project involves creating a system that predicts diseases based on the symptoms input by the user. It uses machine learning algorithms to analyze the symptoms and provide a probable diagnosis along with associated information such as a description of the disease, precautions, medications, workouts, and diet recommendations.

**Use Case:**

The system is used to assist in the preliminary diagnosis of diseases based on a list of symptoms provided by the user. It can be used by healthcare professionals to support their decision-making process or by individuals to get an initial idea of their condition before consulting a doctor.

**Output:**

The system provides the following outputs:

1. Predicted Disease: The likely disease based on the symptoms.
2. Description: A brief overview of the predicted disease.
3. Precautions: Steps to take to prevent worsening of the condition.
4. Medications: Suggested medications for treatment.
5. Workout: Recommended exercises or physical activities.
6. Diet: Suggested dietary adjustments.

**Algorithms used**

1. Support Vector Classifier (SVC)
2. Random Forest Classifier
3. K-Nearest Neighbors (KNN)