**Disease yes:**  
Age: 75

Gender: Male

BMI: 28.5

Systolic BP: 140

Diastolic BP: 85

Total Cholesterol: 220

LDL Cholesterol: 130

UPDRS Score: 80

MoCA Score: 15

Smoking: Yes

Alcohol Consumption: No

Physical Activity: No

Diet Quality: Poor

Sleep Quality: Poor

Family History: Yes

Brain Injury: Yes

Hypertension: Yes

Diabetes: No

Depression: Yes

Stroke: Yes

Rigidity: Yes

Tremor: Yes

Bradykinesia: Yes

Speech Problems: Yes

**Disease NO:**  
Age: 35

Gender: Female

BMI: 22.0

Systolic BP: 120

Diastolic BP: 75

Total Cholesterol: 180

LDL Cholesterol: 90

UPDRS Score: 10

MoCA Score: 28

Smoking: No

Alcohol Consumption: No

Physical Activity: Yes

Diet Quality: Good

Sleep Quality: Good

Family History: No

Brain Injury: No

Hypertension: No

Diabetes: No

Depression: No

Stroke: No

Rigidity: No

Tremor: No

Bradykinesia: No

Speech Problems: No

### Title: "Data-Driven Parkinson’s Detection: A Predictive Analytics Approach"

**Explanation:**

This title emphasizes that the project is based on **data-driven techniques** and uses **predictive analytics** to detect Parkinson’s disease. Let’s break it down:

1. **"Data-Driven"**
   * The project relies on **structured medical data**, such as patient demographics, lifestyle factors, and clinical symptoms, to make predictions.
   * Data preprocessing ensures that the information used is clean and relevant for machine learning models.
2. **"Parkinson’s Detection"**
   * The main goal of the project is to predict whether a patient **has or does not have** Parkinson’s disease based on input features.
   * A **Random Forest classifier** is used to analyze patient data and determine the likelihood of Parkinson’s disease.
3. **"A Predictive Analytics Approach"**
   * The project applies **predictive modeling**, where machine learning algorithms (Random Forest and KNN) learn patterns from historical data.
   * These models then make **probabilistic predictions** about new patient cases, helping in early detection of Parkinson’s disease.
   * The system also provides a **confidence score**, indicating how certain the model is about its prediction.

**Why This Title Works:**

* Highlights the **importance of data** in decision-making.
* Emphasizes **predictive analytics**, which is widely used in healthcare AI applications.
* Suggests a **systematic, analytical approach** rather than just a black-box AI model.

Would you like me to refine this title further based on a specific focus (e.g., clinical application, AI advancement, etc.)? 🚀