AI-Powered Medical Diagnosis System

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Project Overview
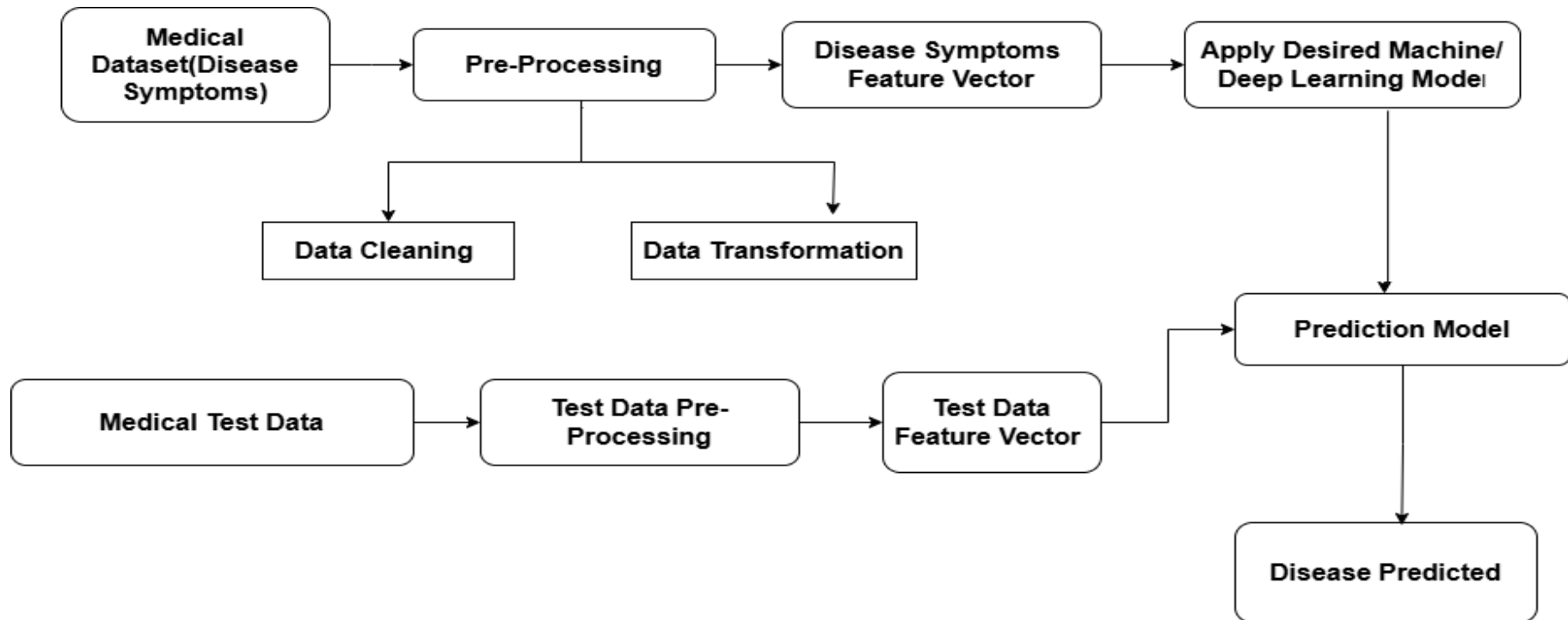
1.What is this project about?

➤ An AI-based disease diagnosis system using Machine Learning & Deep Learning.

➤ Helps healthcare professionals in faster & more accurate disease detection.
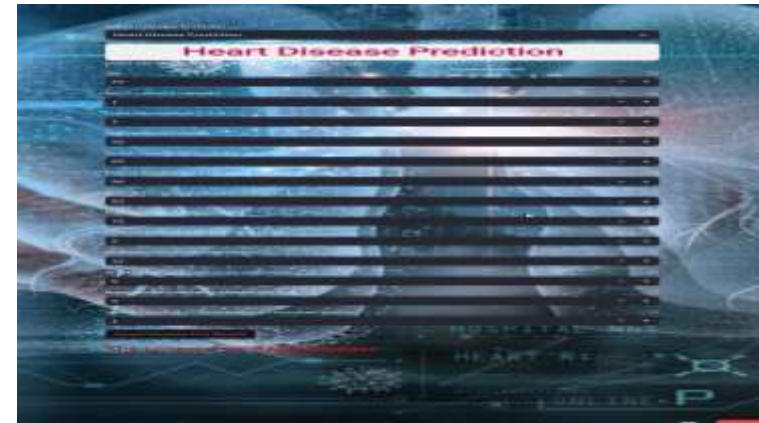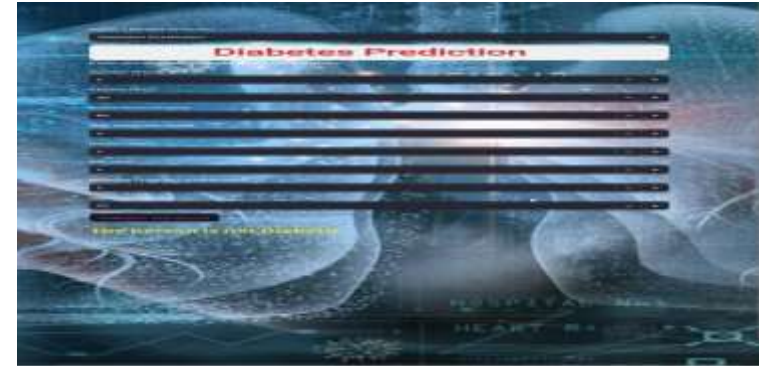
2. **Why is it important?**

➤ Reduces human errors in medical diagnosis.

➤ Provides quick insights for better decision-making.

➤ Improves accessibility to healthcare in remote areas.

System Architecture

Live Demo of Project

➤ **Demo Process:** open the **Streamlit web app**.

➤ Enter **patient details** (symptoms, reports, images).

➤ Ai processes the data using trained models.

➤ System predicts **disease & probability score**.

➤ Displays **explainable ai insights (XAI)** for better

interpretation.

Conclusion

1.AI-powered medical diagnosis improves accuracy & efficiency.

2.This system assists doctors with faster decision-making.

3. Cloud-based AI models enable remote access to healthcare.

4.Future enhancements will expand the range of diseases detected.

Future Scope

⬍ Enhance AI Accuracy – Train on larger, more diverse datasets.

⬍ Integrate IoT & Wearables – Real-time health monitoring.

⬍ Mobile App Development – Make diagnosis accessible on Android & iOS.

⬍ Compliance with Medical Standards – Ensure HIPAA & GDPR compliance.

Thank you!