AMITY UNIVERSITY

PROJECT FUNDED BY

icmr NIE INDIAN COUNCIL OF MEDICAL RESEARCH NATIONAL INSTITUTE OF EPIDEMIOLOGY

Personalized Recommender System for Virus Research and Diagnosis Laboratory Network: Advancing Diagnostic Decision-Making through Artificial Intelligence

AMITY CENTRE FOR ARTIFICIAL INTELLIGENCE

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Develop a Smart System to Identify Possible Infections

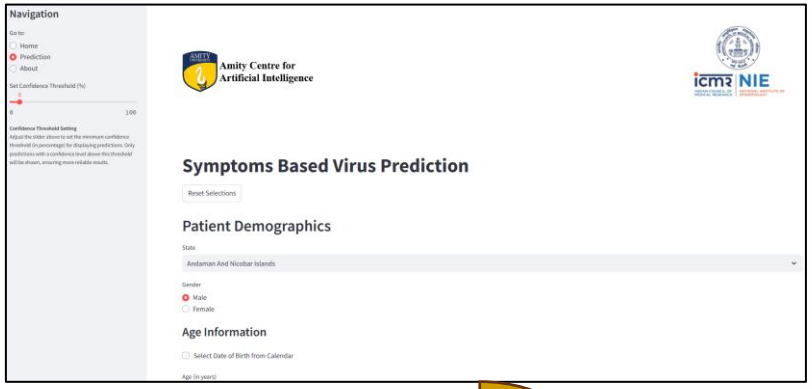
- Create a machine learning model that analyses patient details and symptoms to provide personalized recommendation for names of probable infections.

Optimize Different Methods

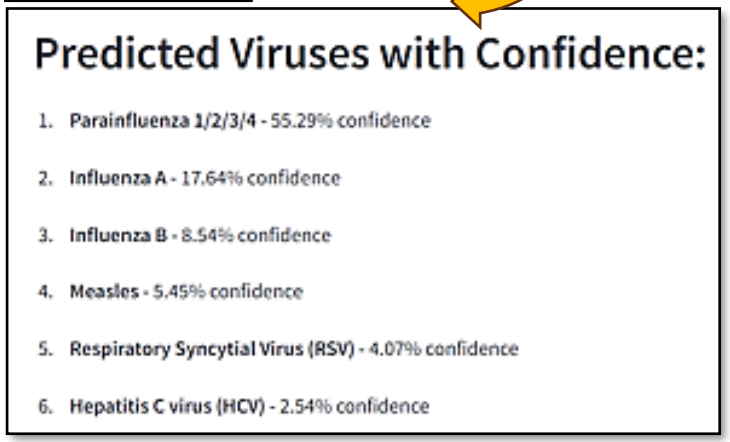
- Evaluate the performance of various machine learning algorithms to determine which one most accurately recommends lab tests for diagnosing infections.
- Test and refine multiple models to ensure the highest accuracy and reliability in recommendations.

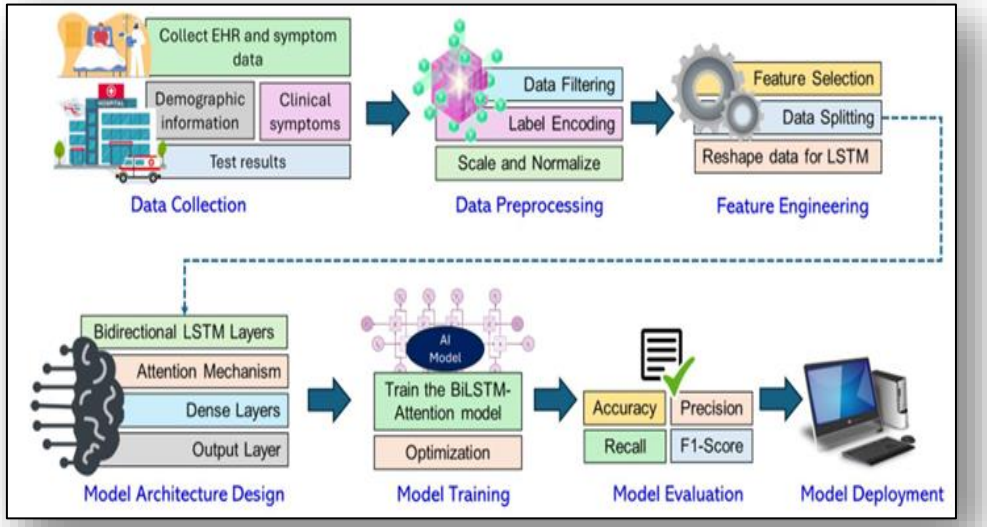
Predict Future Outbreaks

- Utilized approx. 40 lakhs patients' data from ICMR to forecast potential viral disease outbreaks in specific geographic locations.



Predictions





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