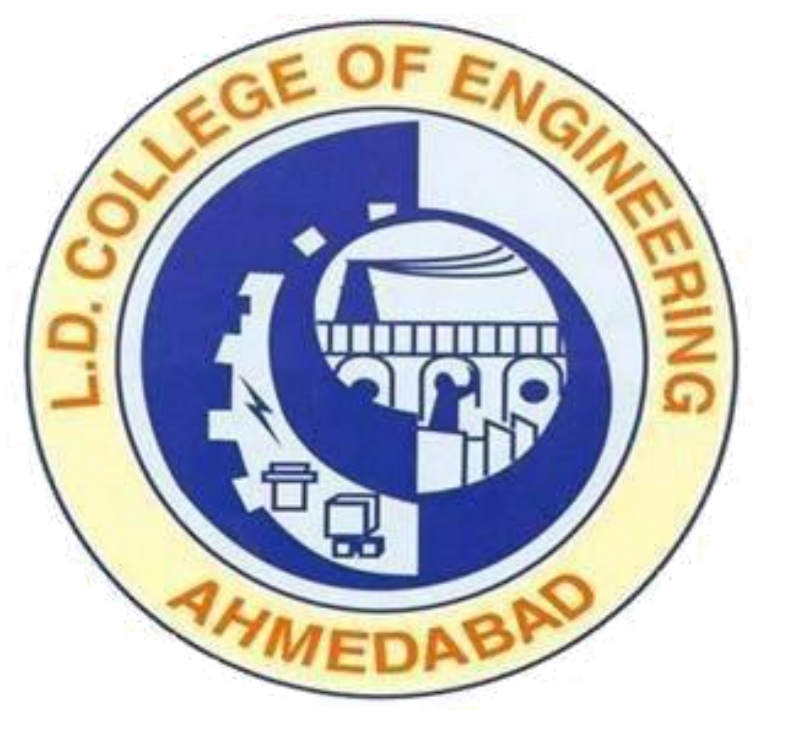




L. D. COLLEGE OF ENGINEERING

COMPUTER ENGINEERING DEPARTMENT



SEPSIS ANALYSIS AND PREDICTION

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Guided by

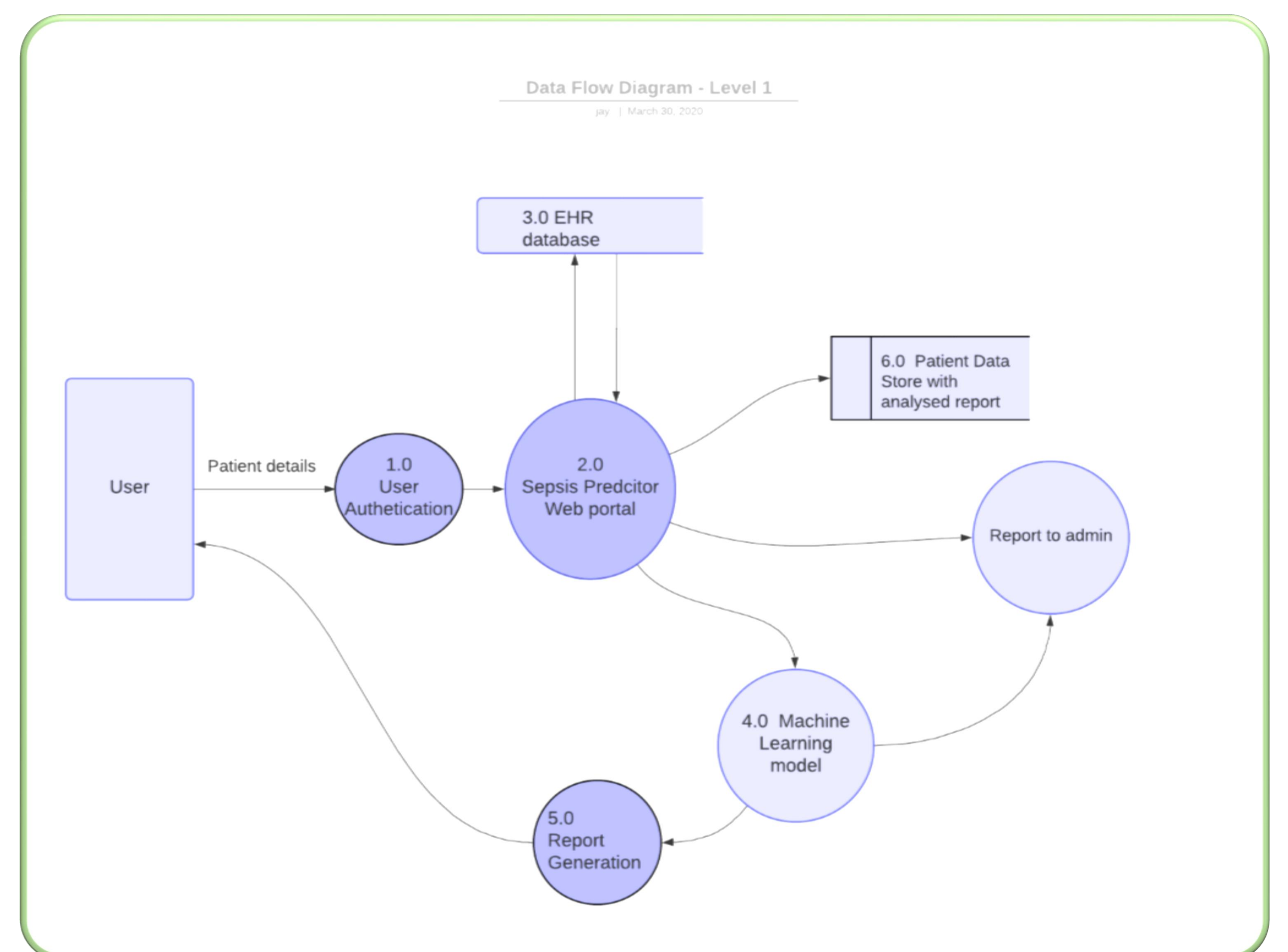
Prof. Zishan Y. Noorani
Asst. Prof. Computer Eng. Department

Project Type
UDP

INTRODUCTION

- Sepsis is life threatening condition caused by body's response to infection.
- So, we built a predictor which takes all types of medical data (from MIMIC III database) as input and gives binary output as prediction of sepsis. Predictor is made from 6 layer deep neural networks which has precision score of 95%.
- For doctors we made a web portal which takes registered patientID , automatically fetches parameters from database and passes to the model running in the backend.

FLOWCHART



SOFTWARE/TECHNOLOGIES



Web Portal

Sepsis Analysis & Prediction

Usage

patientid :

203111

Fetch

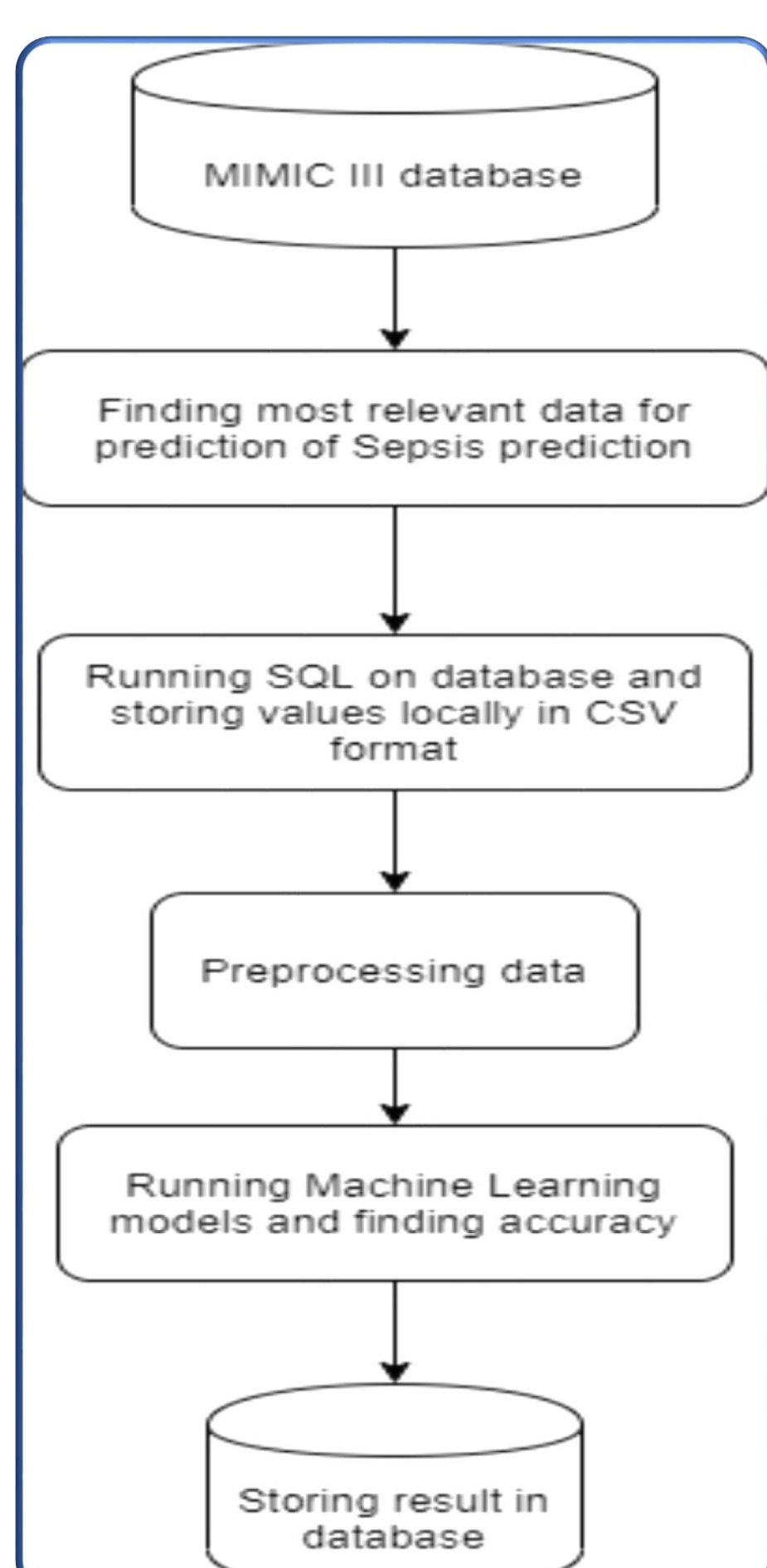
Sepsis : 1 Prediction : 0.9972834587097168

Purpose Model Usage References

Step 1: Enter patientID on webportal
Step 2: Click Fetch

Web portal checks for patientID and if exists it passes patients parameters to the model running on backend. Model returns prediction and score.

Flow



Neural Networks

