

# Multiple Disease Predictor Using ML

Presented by Group #5  
CSE 299

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## **Team Members -**

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# DISEASE INDICATIONS BASED ON SYMPTOMS AND CAUSES FOR:



DIABETES

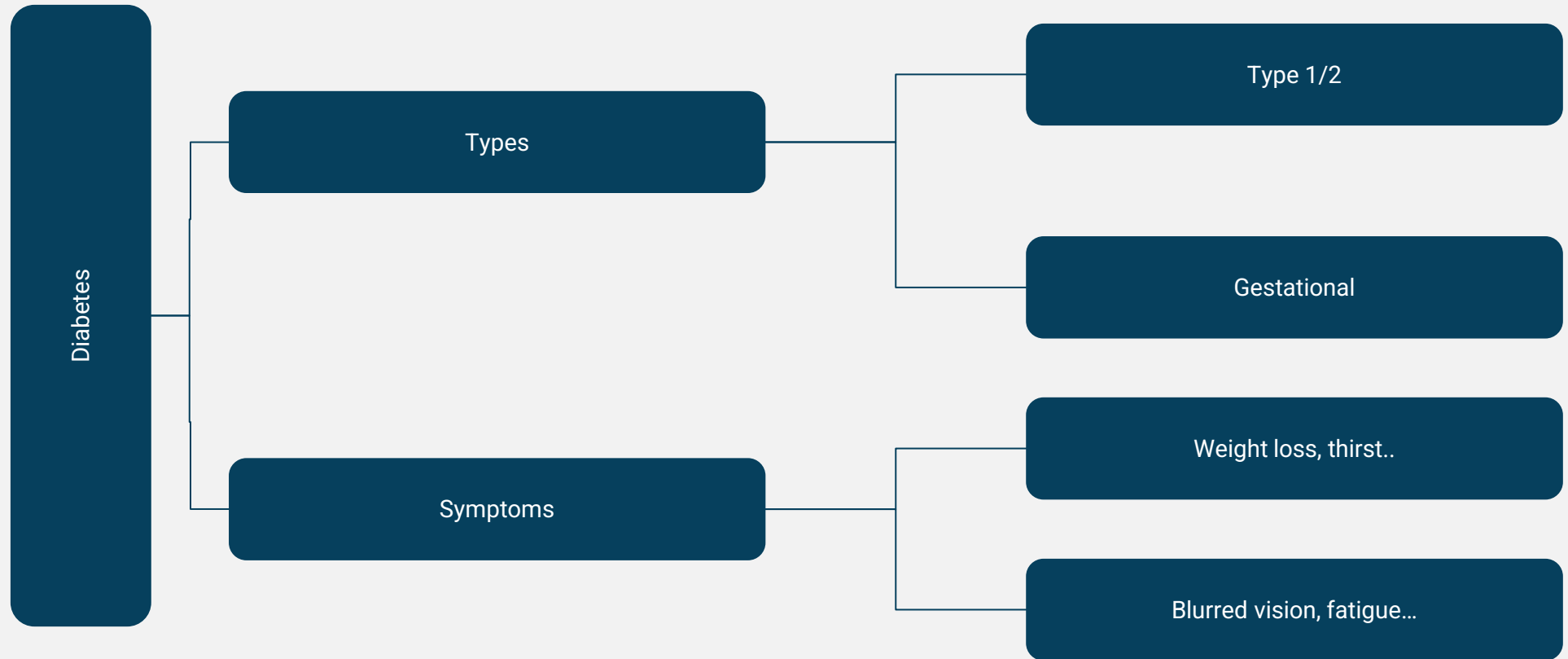


HEART DISEASE



PARKINSON'S DISEASE

Suggestions provided for predicted disease (If any medical support from doctors are required at the moment)



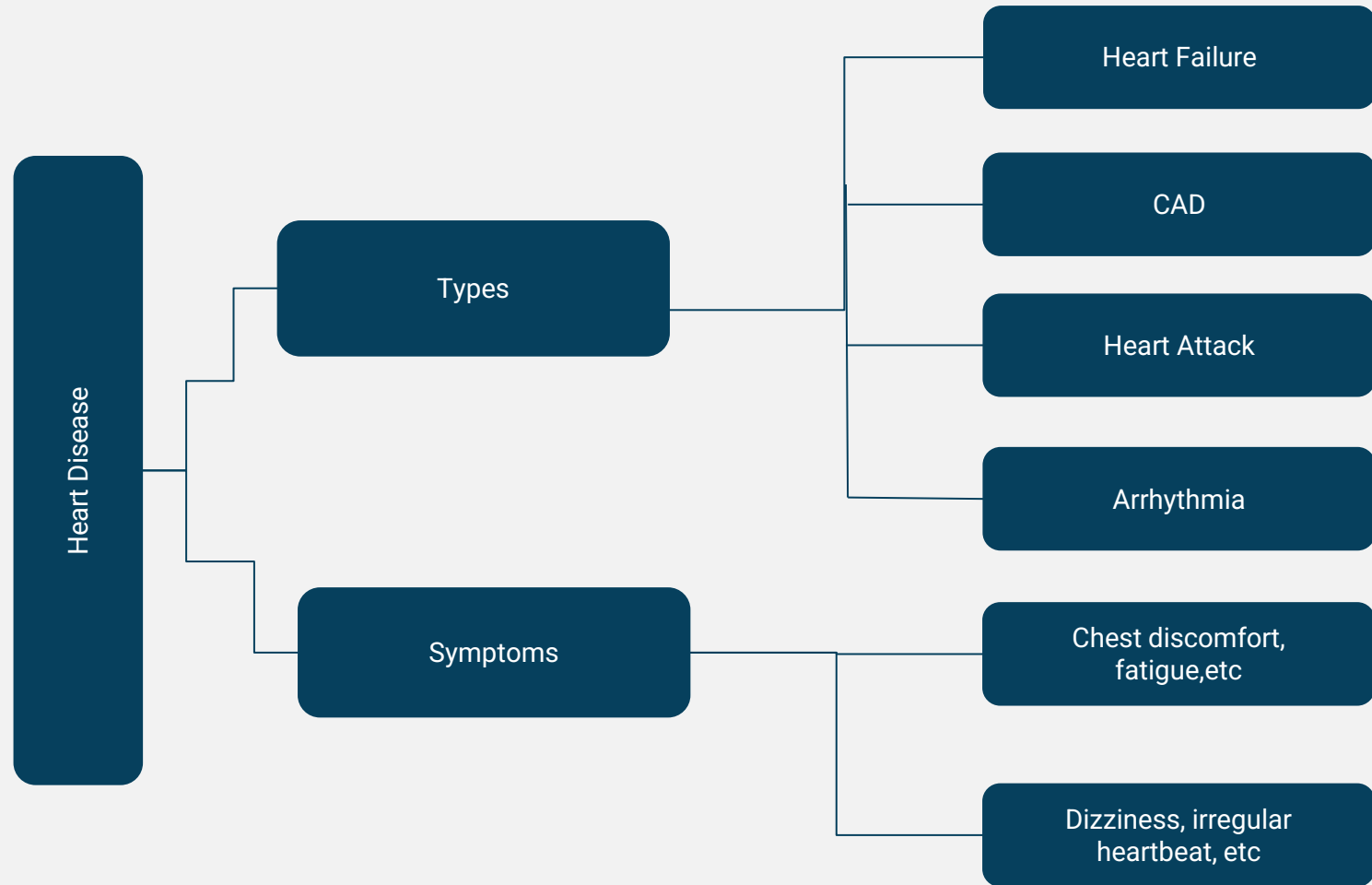
# Dataset info for diabetes prediction

- ❑ Collected from Kaggle Datasets.

- ❑ Features -

Numerical	Categorical
Glucose, blood pressures, skin thickness, insulin, age.	Label/output

- ❑ Supervised Categorical Problem.



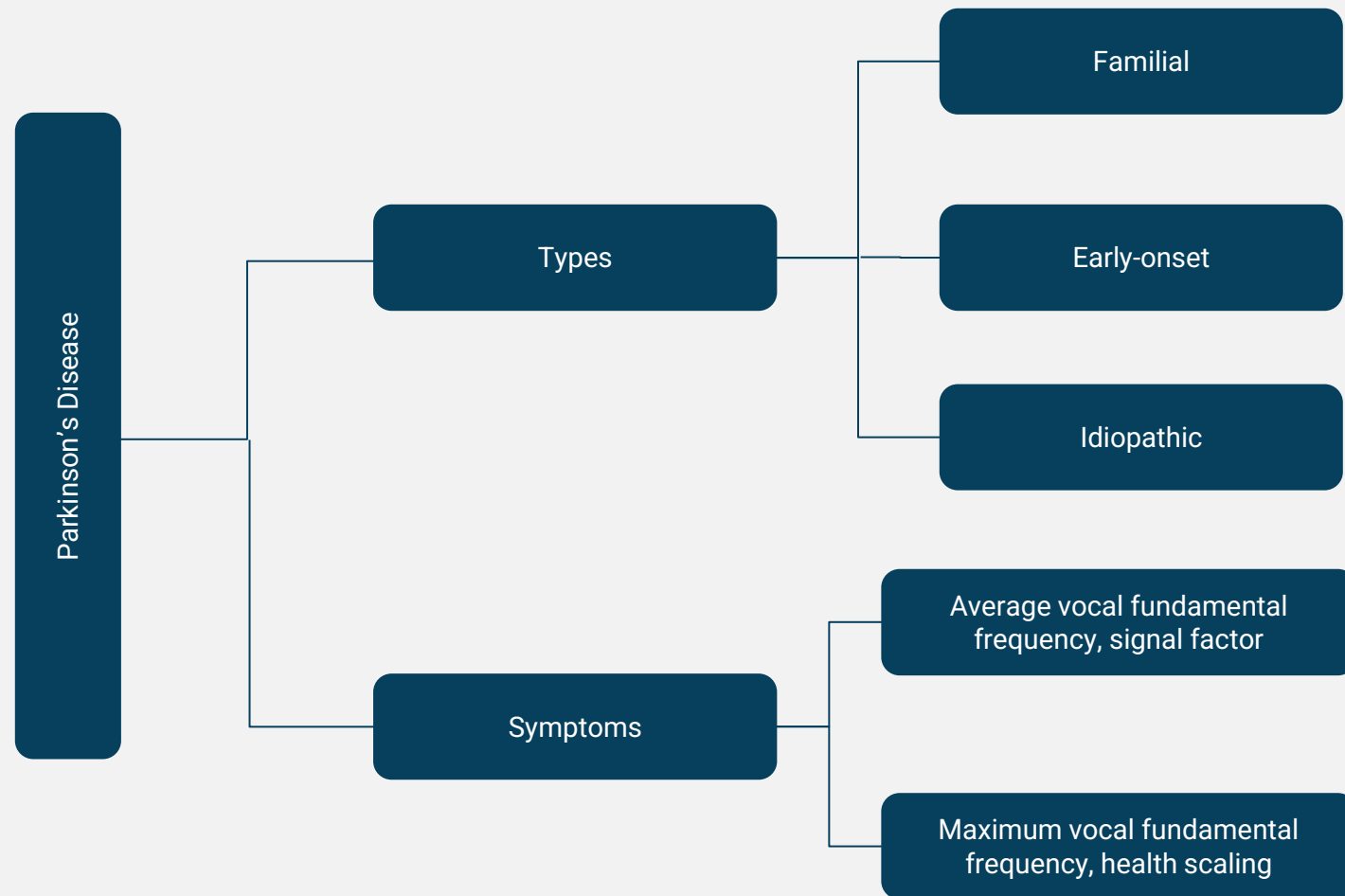
# Dataset info for heart disease prediction

- ❑ Collected from Kaggle Datasets.

- ❑ Features -

Numerical	Categorical
age, resting blood pressure, serum cholesterol, fasting blood sugar, maximum heart rate achieved, ST depression induced by exercise relative to rest, the slope of the peak of st segment	gender, chest pain type, resting electrocardiographic results, exercise induced angina, number of major vessels coloured by fluoroscopy, thal, label/output

- ❑ Supervised Categorical Problem.



# Dataset info for Parkinson's disease prediction

- ❑ Collected from Kaggle Datasets.
- ❑ Features -

Numerical	Categorical
Average vocal fundamental frequency(MDVP:F0 (Hz)),Maximum vocal fundamental frequency(MDVP:Fhi (Hz)),Five measures of variation in fundamental frequency(MDVP:Flo (Hz))	Label/Output

- ❑ Supervised Categorical Problem.

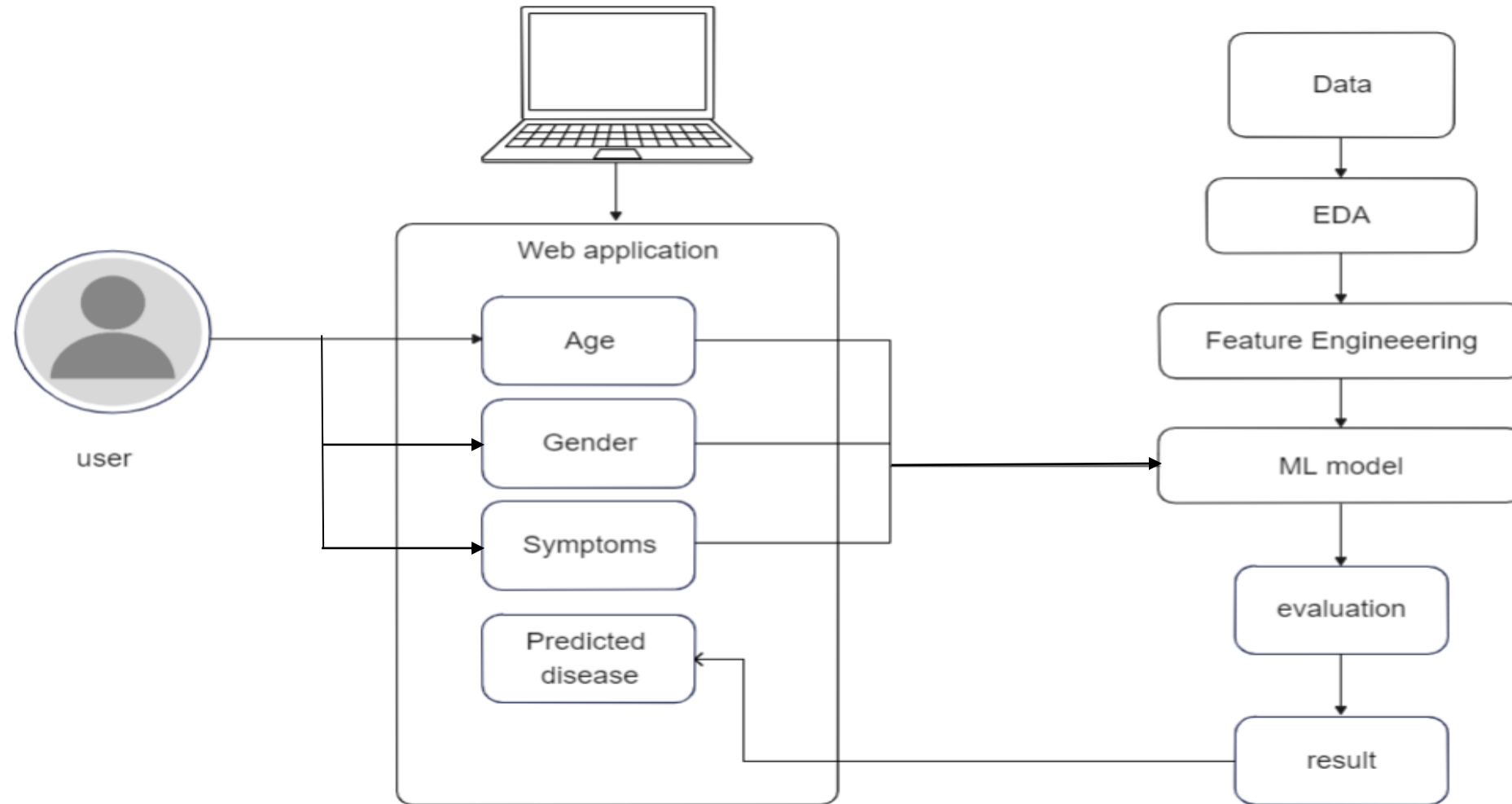


# SOFTWARE STACK & TECHNICALITIES

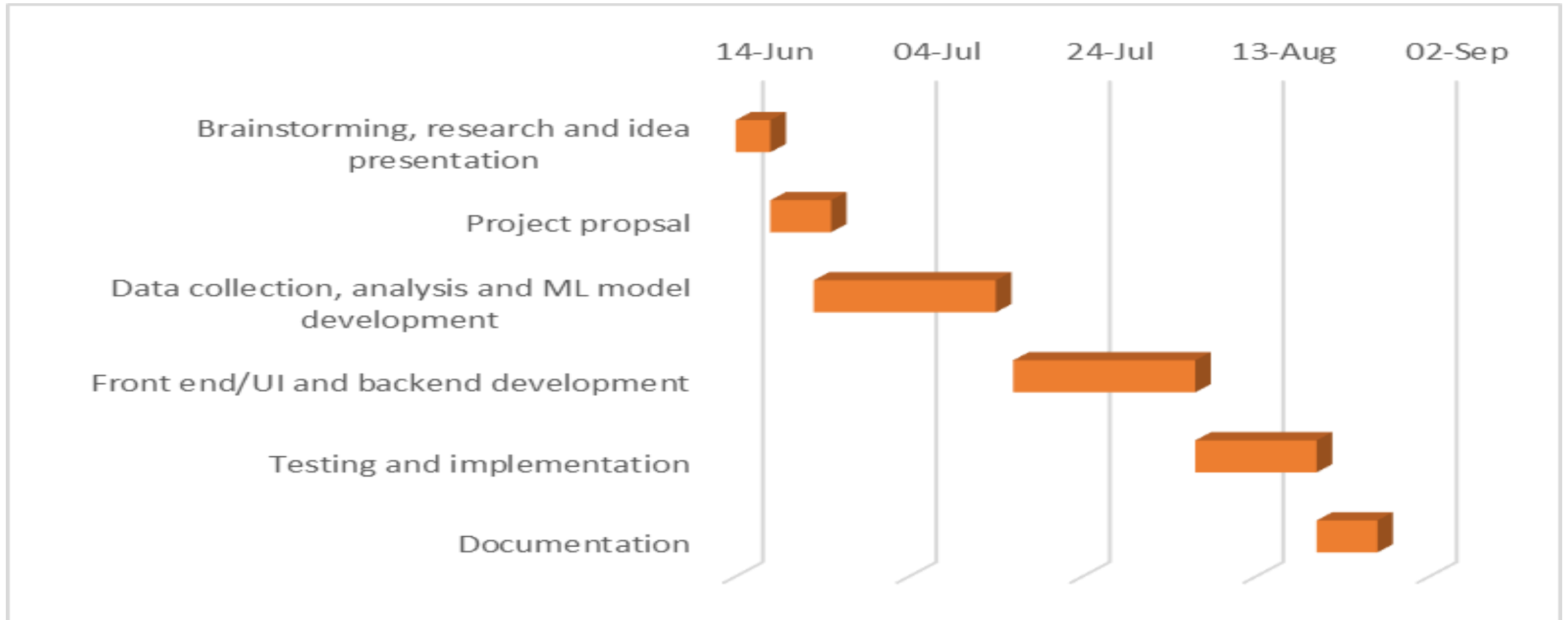
- Python
- Kaggle Dataset
- Google Colab/ Jupyter notebook
- Streamlit/ Django
- Pickle
- VS Code Editor



# SOFTWARE ARCHITECTURE DIAGRAM



# Project Timeline (Gantt Chart)



# WORK DISTRIBUTION

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Name	Tasks
Sadia	Research, Data Pre-Processing, ML models, Pickle.
Mostafizur Rahman	Research, Dataset collection, Model Tuning, Testing
Saiful	Research, EDA, Deployment, Streamlit/django



***Teamwork!***



**Thank You!**  
**Stay Happy and Healthy..**