Prediction of Depression using DTIMRI

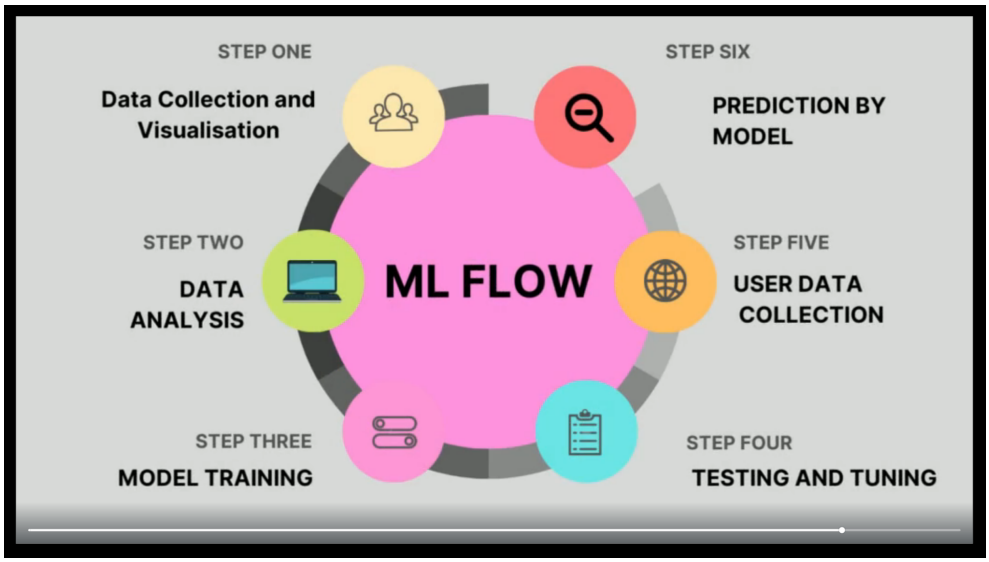
Abstract:
A website that predicts the vulnerability to Depression by using Machine Learning Algorithms and ML Tools. Depression is a common problem among students considering the amount of stress they undergo each and every day. What if it can be pre-diagnosed? This website conducts a test where questions are derived from various psychiatric tests. The results are analyzed and a prediction is made using the model. This prevents the after-effects of depression as it's caught before its onset. The website also gets MRI Scans of individuals and predicts Depression using ML so that it can be used by doctors to diagnose severe depression in people.

Objectives of the Project:
● Automation
● Computation
● Detection
of Vulnerability to Depression before its onset using Machine Learning and Image Processing

Scope of the Project::
Depression is a disorder that is often left undiagnosed in students leading to mental health deterioration.
This project can:
● Eliminate effects of depression such as anxiety to suicides
● It’s time and cost-efficient
● Useful for doctors to diagnose easily
● Students 's mental health can be saved
● Machine learning is used

Market and it's rival:
Supervised Machine Learning with a classification model is prepared. Algorithms are taken into consideration and compared to get accurate results. The model is trained and then the prediction is made by the data obtained from the user on the website. A study showed that the reason for failure in many students is due to the fact that they did 't get help on time when they needed it. In some worst cases, it even leads to suicides. To avoid all this and to save the future of careers of students all over the world Blue' meter is an effective tool and the best solution too.

Workflow:



Architecture Diagram: