A Project Abstract

on

MACHINE LEARNING BASED SUICIDIAL IDEATION DETECTION

Submitted in partial fulfillment of the requirements

for the award of the degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)

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2024 – 2025

ABSTRACT

Suicide is increasingly becoming a serious concern for the society. In fact, it is one of the largest cause of deaths in today's world. Hence it is necessary to stop this menace by developing accurate prediction systems based on available data. The paper primarily analysis the suicide data, identify significant attributes contributing towards suicide attempt and predict future such attempts with significant precision. A comparison between 2 machine learning algorithms: - Decision Tee, and Naïve Bayes for suicide prediction has been made here. The scope of this research is to understand the effectiveness of these algorithms for preventing future suicides. Seriousness of this problem has prompted research attention. This paper first analyses suicide data and identify significant attributes contributing towards suicide attempt through various visualizations. Further a comparison of the accuracies of 2 algorithms: "Decision Tree", "Naïve Bayes" is made for future suicide prediction and prevention.

Keywords: *Data Analysis, Data Prediction, Logistic Regression, Random Forest, Naïve Bayes.*

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