VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A PROJECT REPORT ON

"FAKE NEWS DETECTION USING MACHINE LEARNING"

Submitted in partial fulfillment for the award of Degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

By

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CERTIFICATE

This is to certify that the project entitled **"FAKE NEWS DETECTION USING MACHINE LEARNING"** has been successfully completed by

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the bonafide students of **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2022–23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies theacademic requirements in respect of Projectwork prescribed for the Bachelor of Engineering Degree.

1/3/23	1/3/23	
Mrs. Anupama K	**Dr. Manjunath Kotari**	**Dr. Peter Fernandes**
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DECLARATION

We,

RAKSHITHA S M

SHRAVANA S

SHRUNGA G S

SNEHA U B

hereby declare that the dissertation entitled **"FAKE NEWS DETECTION USING MACHINE LEARNING"** is completed and written by us under the supervision of our guide **Mrs. Anupama K**, Senior Assistant Professor, Department of Computer and Engineering, Alva's Institute of Engineering and Technology, Moodbidri, in partial fulfillment of requirements for the award of the degree **BACHELOR OF ENGINEERING** in **DEPARTMENT OF COMPUTER AND ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI** during the **academic** year 2022- 23. The dissertation report is original and it has not been submitted for anyother degree in any university.

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ABSTRACT

Pervasive fake news on platforms such as social media raises serious concerns since it could have a harmful impact on society and the nation. Presently, people are disseminating more and more knowledge on this global internet platform every singlesecond. False news is information that is spread through many media, including social media, international news, etc. It's becoming more difficult to tell whether the news is accurate or not as media has developed. On these social media platforms, the majority of people simply spread the information across the network without checking to see if it is accurate or not. Attacking end-to-end technology and finding fatal flaws is the primary method now employed by hackers. It is quite difficult for everyone to manually recognize bogus news. In order to effectively identify bogus news, amachine learning system is required. It can be difficult to automatically determine whether a text article is false or false information. Before making a determination about an article's veracity, even an expert in a given field must consider a number of factors. For the automated classification of news stories, we suggest using a machine learning ensemble approach in this work.The finest classical machine learning models are explored in this study as it analyses the research on false news identification, to create a product methodology uses supervised machine learning techniques that can differentiate between accurate news and deceptive fake news.