A Project Report

On

**FAKE NEWS DETECTOR (BASIC) USING DEEP LEARNING**

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***In partial fulfillment for the award of the degree***

***of***

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



***Under the Guidance of***

**MS. Y.GAYATRI**

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BONAFIDE CERTIFICATE

Certified that this project report “ **FAKE NEWS DETECTOR (BASIC) USING DEEP LEARNING** ” is the bonified work **“RAJAPU HEMANTH KUMAR (21HQ1A0543) , DUPPALA JEEVAN SAI (21HQ1A0516) , GUJJU MUKESH (22HQ5A0501), TUTIKA PRAMOD KUMAR (21HQ1AO549) , AKULA SIVA SANKAR (21HQ1A0553)”** who carried out Project work under our supervision. The results embodied in this project have been verified and found Satisfactory.

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principal of **“AVANTHI’S RESEARCH AND TECHNOLOGICAL ACADEMY,**

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### DECLARATION

We **RAJAPU HEMANTH KUMAR (21HQ1A0543) , DUPPALA JEEVAN SAI (21HQ1A0516) , GUJJU MUKESH (22HQ5A0501) , TUTIKA PRAMOD KUMAR (21HQ1AO549) , AKULA SIVA SANKAR (21HQ1A0553))** hereby declare that the project report entitled **“FAKE NEWS DETECTOR (BASIC) USING DEEP LEARNING”**is an original and authentic work done in the Department of **COMPUTER SCIENCE AND ENGINEERING**, submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology The matter embodied in this project work has not been submitted earlier for award of any degree or diploma to the best of my knowledge.

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**ABSTRACT**

Fake news detection is about identifying and distinguishing between real and fake news articles through sophisticated machine learning methods. This involves processing news content and classifying it accurately to ensure that users are not misled by false information. By leveraging techniques such as the TF-IDF Vectorizer, which transforms text data into numerical features based on term frequency and importance, and the Passive Aggressive Classifier, which adapts and corrects itself based on misclassification, the system can effectively analyze and categorize news articles. The primary goal is to enhance the credibility of news sources and prevent the spread of misinformation. With a high accuracy rate, this approach proves to be a robust solution in tackling fake news, ultimately supporting users in making well-informed decisions and maintaining the integrity of information in the digital age.

**LIST OF FIGURES**

|  |  |  |
| --- | --- | --- |
| FIGURE | NAME | PAGE NO |
| Figure 1 | Python libraries and Frameworks | 13 |
| Figure 2 | Project architecture | 25 |
| Figure 3 | Block Diagram | 3 |
| Figure 4 | Usecase Diagram | 31 |
| Figure 5 | Sequence Diagram | 32 |
| Figure 6 | Activity Diagram | 33 |

**INDEX**

**S.NO CONTENTS Page No**

**ABSTRACT**  v

**LIST OF FIGURES** vi

**I. INTRODUCTION**

1.1 objective of project 3-4

**II ELEMENTS USED**

* + - 2.1 software used 6
    - 2.2 hardware used 6
    - 2.3 existing system 7
    - 2.4 proposal system 8
    - 2.5 input output design 9

**III TECHNOLOGIES USED**

* 3.1 python 11-12
* 3.2 rich libraries and frameworks 12-15
* 3.3support for data science and machine learning 16
* 3.4 integration with tools and environments 16-19
* HTML 19
* CSS 20

**IV ARCHITECTURE**

* 4.1 Dataset 22
* 4.2 system architecture overview 23-25
  + - 4.3 UML 30
    - 4.4 Usecase Diagram 31
    - 4.5 Sequence Diagram 32
    - 4.6 Activity Diagram 33
    - 4.7 User interface 34
    - 4.8 step-by-step explanation of the fake news detection system 38-42

**V CONCLUSION**

* + - 5.1 conclusion 48
    - 5.2 feature scope 49

**VI REFRENCES** 51