

# **Fake social media accounts and their detection**

## **A PROJECT REPORT**

*Submitted by,*

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*Under the guidance of,*

**Dr. Vennira Selvi**

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)**

**At**



**PRESIDENCY UNIVERSITY**

**BENGALURU**

**MAY 2025**

# PRESIDENCY UNIVERSITY

## SCHOOL OF COMPUTER SCIENCE ENGINEERING

### CERTIFICATE

This is to certify that the Project report “Fake social media accounts and their detection” being submitted by “Keerthy M”, “Raghavendra S M”, “Shreyas Y S”, “Surya Kiran B”, “Adarsh T N” bearing roll number(s) “20211CCS0159”, “20211CCS0161”, “20211CCS0119”, “20211CCS0141”, “20211CCS0174” in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering (Cyber Security) is a bonafide work carried out under my supervision.

  
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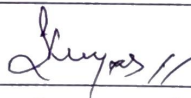


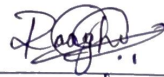

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### DECLARATION

We hereby declare that the work, which is being presented in the project report entitled Fake social media accounts and their detection in partial fulfillment for the award of Degree of **Bachelor of Technology in Computer Science and Engineering (Cyber Security)**, is a record of our own investigations carried under the guidance of **Dr. Vennira Selvi, Professor, School of Computer Science and Information Science, Presidency University, Bengaluru.**

We have not submitted the matter presented in this report anywhere for the award of any other Degree.

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## ABSTRACT

The rise of fake social media accounts has become a significant concern due to their widespread use in spreading misinformation, conducting scams, and manipulating public opinion. In this project, we develop an intelligent solution for identifying fraudulent social media profiles with the application of machine learning. Through training processes, the system analyzes user profile features like the ratios of followers to following, level of activity, and the completion of user accounts, enabling it to accurately discriminate between real and fake accounts. For user interaction, the solution incorporates a real-time browser extension that allows instant review, marking, and analysis of suspicious profiles along with an administrative panel for reviewing classification results, trends in detection, and profile activity over time. This design compromises usability and scalability while creating a straightforward system that significantly lowers the consequences of false accounts in online social platforms.