A

Major Project Report

on

**TEXT ANALYSIS USING MACHINE LEARNING**

Submitted in partial fulfillment of the

Requirements for the award of degree of

**Bachelor of Technology**

in

**Computer Science and Engineering**

by

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**Department of Computer Science and Engineering**

**ANURAG GROUP OF INSTITUTIONS**

**(Formerly CVSR College of Engineering)**

**(An Autonomous Institution, Approved by AICTE and NBA Accredited)**

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**(2019-2023)**

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**CERTIFICATE**

This is to certify that the project entitled **“TEXT ANALYSIS USING MACHINE LEARNING”**  being submitted by **GAJAM NIKHIL, EEDUNOORI KRUTHIK REDDY, GADIPE DOLLY** bearing the Hall Ticket number **19H61A05D5, 19H61A05D1, 19H61A05D4** in partial fulfillment of the requirements for the award of the degree of the **Bachelor of Technology** in **Computer Science and Engineering** to **Anurag Group of Institutions** **(Formerly** **CVSR College of Engineering)** is a record of bonafide work carried out by them under my guidance and supervision from November 2022 to March 2023.

The results presented in this project have been verified and found to be satisfactory. The results embodied in this project report have not been submitted to any other University for the award of any other degree or diploma.

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**DECLARATION**

We hereby declare that the project work entitled “**TEXT ANALYSIS USING MACHINE LEARNING**” submitted to the **Anurag Group of Institutions (Formerly CVSR College of Engineering)** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology (B. Tech)** in Computer Science and Engineering is a record of an original work done by us under the guidance of **Mr. G. Balram, Assistant Professor** and this project work have not been submitted to any other university for the award of any other degree or diploma.

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**ABSTRACT**

This project is focused on analyzing and processing textual data, using a combination of techniques including spam detection, text summarization, and emotional analysis. The aim of the project is to provide users with a comprehensive understanding of the text they are analyzing, including its overall sentiment, relevance, and potential for spam or malicious content. The spam detector module analyzes the text for common spam keywords and phrases, flagging any potential spam or malicious content. The text summarization module summarizes the content of the text, providing a brief and concise overview of its most important points. The emotional analysis module evaluates the overall sentiment of the text, identifying positive or negative emotions and providing a sentiment score. The project uses a variety of machine learning and natural language processing techniques to analyze the text, including neural networks, sentiment analysis algorithms, and statistical modeling. The system is designed to be highly scalable and flexible, allowing it to be customized for a wide range of applications and industries. The project has the potential to be used in a variety of applications, including social media monitoring, customer feedback analysis, and content moderation. By providing users with a comprehensive understanding of the text they are analyzing, the project can help improve decision-making and enhance the overall quality of communication and content in various industries.

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