A Mini Project Report on

## SELF DIAGNOSABLE HUMAN DISEASE PREDICTION 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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### Under the Guidance of

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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)

**Venkatapur (V), Ghatkesar (M), Medchal(D)., T.S-500088 (2019-2023)**



**CERTIFICATE**

This is to certify that the project entitled **“SELF DIAGNOSABLE HUMAN DISEASE PREDICTION USING MACHINE LEARNING”** being submitted by **GAJAM NIKHIL,** bearing the Hall Ticket number **19H61A05D5** 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 him under my guidance and supervision from June 2022 to October 2022.

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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**ACKNOWLEDGEMENT**

It is my privilege and pleasure to express profound sense of respect, gratitude and indebtedness to our guide **Mr. G. Balram,** Asst Professor, Dept. of Computer Science and Engineering, Anurag Group of Institutions (Formerly CVSR College of Engineering), for his indefatigable inspiration, guidance, cogent discussion, constructive criticisms and encouragement throughout this dissertation work.

I express my sincere gratitude to **Dr. G. Vishnu Murthy, Professor & Head**, Department of Computer Science and Engineering, Anurag Group of Institutions (Formerly CVSR College of Engineering), for his suggestions, motivations, and co-operation for the successful completion of the work.

I extend my sincere thanks to **Dr. V. Vijaya Kumar**, **Dean,** Research and Development, Anurag Group of Institutions, for his encouragement and constant help.

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# DECLARATION

I hereby declare that the project work entitled “**SELF DIAGNOSABLE HUMAN DISEASE PREDICTION 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

Self Diagnosable Human Disease Prediction using Machine Learning (ML) is a system which predicts the disease based on the information provided by the user. It also predicts the disease of the patient or the user based on the information or the symptoms he/she enter into the system and provides the accurate results based on that information. If the patient is not much serious and the user just wants to know the type of disease, he/she has been through. It is a system which provides a way to find out the disease using this prediction. Now a day's health industry plays major role in curing the diseases of the patients so this is also some kind of help for the health industry to tell the user and also it is useful for the user in case he/she doesn't want to go to the hospital or any other clinics, so just by entering the symptoms the user can get to know the disease he/she is suffering from and the health industry can also get benefit from this system by just asking the symptoms from the user and entering in the system and in just few seconds they can tell the exact and up to some extent the accurate diseases. This Self Diagnosable Human Disease Prediction Using Machine Learning is completely done with the help of Machine Learning and Python Programming language with Tkinter Interface for it and also using the dataset which is taken from a study conducted at Columbia University which is readily available, using that we will predict the disease. Today's doctors use a variety of scientific technology and methodologies for both the detection and diagnosis of numerous fatal diseases as well as ordinary illnesses. Correct and thorough diagnosis is always responsible for a successful course of treatment. Doctors may sometimes be able to make accurate decisions while diagnosing the disease of a patient, therefore disease prediction systems which use machine learning algorithms assist in such cases to get accurate results. Because of the competitive environment of economic development and the prevalence of general disease, the project disease prediction using machine learning was created to combat general disease in its earlier stages involved so much that he/she is not concerned about health according to research there are 40% peoples how ignores about general disease which leads to harmful disease later. The main reason of ignorance is laziness to consult a doctor and time concern the peoples have involved themselves so much that they have no time to take an appointment and go to the doctor which later results into fatal disease. According to research there are 70% peoples in India suffers from general disease and 25% of peoples face death due to early ignorance of the symptoms.

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