# Predicting whether the Tumor is Malignant or Benign using Machine Learning Models.

Mini Project submitted in partial fulfillment of the requirements for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

IN

#### COMPUTER SCIENCE AND ENGINEERING

**Submitted by** 

N.V.PRANAY RAJ (221710305036)

TANMAY.A (221710305058)

JAYANTH.K (221710305018)

R.SAI ANUDEEP (221710305045)

Under the esteemed guidance of

S.D.V. PRASAD



#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**GITAM** 

(Deemed to be University)

**HYDERABAD** 

**DECEMBER 2020** 

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## **GITAM**

(Deemed to be University)



#### **DECLARATION**

We hereby declare that the mini project entitled "Predicting whether the tumor is malignant or benign using machine learning models" is an original work done in the Department of Computer Science and Engineering, GITAM School of Technology, GITAM (Deemed to be University) submitted in partial fulfillment of the requirements for the award of the degree of B.Tech. in Computer Science and Engineering. The work has not been submitted to any other college or University for the award of any degree or diploma.

Date:

N.V.PRANAY RAJ

(221710305036)

TANMAY.A

(221710305058)

JAYANTH.K

(221710305018)

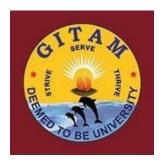
R.SAI ANUDEEP

(221710305045)

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## **GITAM**

(Deemed to be University)



### **CERTIFICATE**

This is to certify that Mini Project entitled "Predicting whether the tumor is malignant or benign using machine learning models" is submitted by N.V.PRANAY RAJ, TANMAY AGARWAL, JAYANTH.K, R.SAI ANUDEEP in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science and Engineering from GITAM University, Hyderabad. The results embodied in this project have not been submitted to any other University or Institute for the award of any degree or diploma.

S.D.V. PRASAD

Assistant Professor

Dept.of Computer

Science and Engineering

### **ACKNOWLEDGMENT**

Our Mini Project would not have been successful without the help of several people. We would like to thank the personalities who were part of our seminar in numerous ways, those who gave us outstanding support from the birth of the project.

We are extremely thankful to our honorable Pro-Vice Chancellor, **Prof. N. Siva Prasad** for providing necessary infrastructure and resources for the accomplishment of our project.

We are highly indebted to **Prof. N. Seetharamaiah**, Principal, School of Technology, for his support during the tenure of the project.

We are very much obliged to our beloved **Prof. S. Phani Kumar**, Head of the Department of Computer Science & Engineering for providing the opportunity to undertake this seminar and encouragement in completion of this project.

We hereby wish to express our deep sense of gratitude to **Dr. S Aparna**, Assistant Professor, Department of Computer Science and Engineering, School of Technology and to **S.D.V.PRASAD**, Assistant Professor, Department of Computer Science and Engineering, School of Technology for the esteemed guidance, moral support and invaluable advice provided by them for the success of the Mini Project.

We are also thankful to all the staff members of the Computer Science and Engineering department who have cooperated in making our seminar a success. We would like to thank all our parents and friends who extended their help, encouragement and moral support either directly or indirectly in our project work.

Sincerely,

N.V.PRANAY RAJ(221710305036)

TANMAY.A(221710305058)

JAYANTH.K(221710305018)

R.SAI ANUDEEP(221710305045)