Dissertation

On

Early Diagnosis of Influenza Using Machine Learning Classification

By

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Submitted as Partial Fulfilment

Of

B.Sc. (Hons) Computer Science - VI Semester



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EARLY DIAGNOSIS OF INFLUENZA USING MACHINE LEARNING CLASSIFICATION

SUPERVISED BY Dr. Ranjan Kumar

PREPARED BY

Raman(20059570019) Rohan Bhalla(20059570041) Bharat Sharma(20059570040) Acknowledgement

Undertaking the project "Early Diagnosis of Influenza Using Machine Learning Techniques -

A Predictive Analysis Approach" has been an enriching and engaging experience. Over the

course of four months, we had the opportunity to work with various supervised machine

learning models and predictive analysis techniques, thereby enhancing our skills and

knowledge in this field.

We extend our gratitude to Dr. Ranjan Kumar, who has been a constant source of guidance and

support throughout the project. Without his valuable inputs and advice, completing this project

successfully would not have been possible.

We are thankful to the Computer Science Department at Aryabhatta College for providing us

with the opportunity to undertake this project. Our project coordinator, Dr. Ranjan Kumar,

deserves a special mention for his unwavering support and encouragement, which enabled us

to work efficiently as a team and tackle any challenges that arose.

Additionally, we would like to express our appreciation our seniors for their insightful

discussions and valuable suggestions during this demanding yet fulfilling project. Their inputs

and feedback have been instrumental in shaping the project and improving its quality.

Overall, this project has been a valuable learning experience, and we are grateful to all those

who have contributed to its successful completion.

Raman (20059570019)

Bharat Sharma (20059570040)

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Certificate

I am pleased to certify that Raman, Bharat Sharma, and Rohan Bhalla have successfully

completed the project entitled "Early Detection of Influenza using Machine Learning

Techniques: A predictive analysis approach," under my supervision. The project has been

submitted as per the requirements of the Lab-based on Data Science of B.Sc. (H) Computer

Science, VI Semester.

During the course of the project, Raman, Bharat Sharma, and Rohan Bhalla have demonstrated

their proficiency in utilizing various machine learning techniques and predictive analysis

methods to analyse the data and identify patterns that could be used to predict the onset of

influenza.

As the project supervisor, I have had the privilege of working closely with the team and have

been impressed with their commitment, dedication, and enthusiasm. They have shown a high

level of professionalism and competence throughout the project, completing all tasks within

the stipulated time and with exceptional quality.

I believe that the project submitted by Raman, Bharat Sharma, and Rohan Bhalla will be a

valuable contribution to the field of data science and machine learning. I congratulate them on

their success and wish them all the best for their future endeavours.

Raman (20059570019)

Bharat Sharma (20059570040)

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Dr. Ranjan Kumar (Supervisor)