

## CERTIFICATE

Based on declaration submitted Manya Gautam (A23052222658), student of B. Tech Computer Science and Engineering, I hereby certify the report entitled "**Pattern Recognition and Applications**", which is submitted to the Department of Computer Science and Engineering, Amity School of Engineering and Technology, Amity University, Noida, Uttar Pradesh in partial fulfillment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering is an original contribution with existing knowledge and faithful record of work carried out by her under my guidance and supervision. To the best of my knowledge this work has not been submitted in part or full for any degree or diploma to this university or elsewhere.



(Signature of the guide)

Dr. Richa Gupta (Faculty Guide)

ASET

Noida

Date:- 24<sup>th</sup> August 2023

## ACKNOWLEDGEMENT

I would like to express my heartfelt gratitude to all those who have supported and guided me throughout this journey. First and foremost, I am deeply thankful to my family for their unwavering love, encouragement, and belief in my abilities. Their constant support has been the pillar of strength that propelled me forward. I would also like to extend my appreciation to my friends and peers who have been there for me, offering their assistance, sharing their knowledge, and motivating me to push my boundaries. I am indebted to my mentor Dr. Richa Gupta. Their guidance and expertise have been invaluable assets in every step of my report.

Date: 24<sup>th</sup> August 2023



(Signature of student)

Manya Gautam

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## DECLARATION

I Manya Gautam, student of B. Tech (3 C.S.E.10Y) hereby declare that the report entitled "**Pattern Recognition and Applications**" which is submitted by me to the Department of Computer Science and Engineering, Amity School of Engineering and Technology, Amity University, Noida, Uttar Pradesh in partial fulfillment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering, has not been previously formed the basis for the award of any degree, diploma or other similar title or recognition.

The author attests that permission has been obtained for the use of any copyrighted material appearing in the report, other than brief excerpts requiring only proper acknowledgement in scholarly writing, and that all such use is acknowledged.

Date:- 24<sup>th</sup> August 2023

Place:- Noida, UP

Manya Gautam

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(Signature of student)