

[Thesis Title]

Thesis submitted in partial fulfillment
of the requirements for the degree of

Master of Science in Computer Science and Engineering by Research

by

Alapan Chaudhuri
2019111023
alapan.chaudhuri@research.iiit.ac.in



Centre for Quantum Science and Technology (CQST)
International Institute of Information Technology (IIIT)
Hyderabad - 500032, India
February 2026

Copyright © Alapan Chaudhuri, 2026
All Rights Reserved

International Institute of Information Technology
Hyderabad, India

CERTIFICATE

It is certified that the work contained in this thesis, titled “[Thesis Title]” by Alapan Chaudhuri, has been carried out under my supervision and is not submitted elsewhere for a degree.

Date

Adviser: Prof. Indranil Chakrabarty

Date

Co-Adviser: Prof. Shantanav Chakraborty

[Dedication]

[Quote]

Abstract

Acknowledgement

Contents

1	Introduction	1
2	Chapter 2	2
3	Chapter 3	3
4	Chapter 4	4
5	Conclusion	5

List of Theorems

List of Algorithms

List of Figures

Chapter 1

Introduction

Chapter 2

Chapter 2

Chapter 3

Chapter 3

Chapter 4

Chapter 4

Chapter 5

Conclusion

Bibliography