

DEDICATION

This thesis is a product of continuous support, encouragement, and guidance throughout my academic journey. First and foremost, I offer my deepest gratitude to God for providing strength, patience, and direction during every stage of this work.

I dedicate this thesis to my beloved parents, whose love, sacrifices, and unwavering support have been the foundation of my achievements. Their belief in me has been a constant source of motivation.

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Lastly, this work is dedicated to all informatics students across the world. I hope it offers meaningful insights and contributes to the continued growth of knowledge in the field of Computer Science.

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