Secure Deduplication Across Files

A PROJECT REPORT

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE DEGREE OF

Master of Engineering

IN

Faculty of Engineering

 $\begin{array}{c} & \text{BY} \\ \textbf{Nithin V Nath} \end{array}$



Computer Science and Automation Indian Institute of Science Bangalore – 560 012 (INDIA)

June, 2016

Declaration of Originality

I, Nithin V Nath, with SR No. 04-04-00-10-41-14-1-11158 hereby declare that the material presented in the thesis titled

Secure Deduplication Across Files

represents original work carried out by me in the **Department of Computer Science and Automation** at **Indian Institute of Science** during the years **2014-2016**. With my signature, I certify that:

- I have not manipulated any of the data or results.
- I have not committed any plagiarism of intellectual property. I have clearly indicated and referenced the contributions of others.
- I have explicitly acknowledged all collaborative research and discusions.
- I have understood that any false claim will result in severe disciplinary action.
- I have understood that the work may be screened for any form of academic misconduct.

Date: Student Signature

In my capacity as supervisor of the above-mentioned work, I certify that the above statements are true to the best of my knowledge, and I have carried out due diligence to ensure the originality of the report.

Advisor Name: **Dr. Bhavana Kanukurthi** Advisor Signature

© Nithin V Nath June, 2016 All rights reserved

DEDICATED TO

The Student Community

Acknowledgements

Firstly, I would like to express my sincere gratitude to my advisor Dr. Bhavana Kanukurthi for the continuous support of my research, for her patience, motivation, and immense knowledge. Her guidance helped me in all the time of research and writing of this thesis.

I thank my fellow labmates in Cryptography, Security and Privacy Group for the stimulating discussions, for the sleepless nights we were working together before deadlines, and for all the fun we have had.

Last but not the least, I would like to thank my family: my parents and my sister for supporting me throughout writing this thesis and my life in general.

Abstract

Here goes your crisp little abstract. $\,$

Publications based on this Thesis

Contents

Acknowledgements	i
Abstract	ii
Publications based on this Thesis	iii
Contents	iv
List of Figures	v
List of Tables	vi
1 Introduction	1
1.1 How to Write a Theorie: An Introduction	1

List of Figures

List of Tables

Chapter 1

Introduction

A brief description of your chapter.

How to Write a Thesis: An Introduction

The first chapter should have the motivation of the problem and the brief description of the solutions provided in the thesis. There should be one outline section which should give detailed description of the thesis chapters. Here is an example citation, [?].