**Visualization tool for Metabolomic/Genomic Data**

by

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Program of Study Committee:

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**DEDICATION**

I would like to dedicate this work to my friends, family, colleagues, teachers and advisors for making it possible.

**BIOGRAPHY**

Achyuthan Vasanth was born to Nalini Vasanth and Vasanth Narayanan on the 9th of April,1988 in Chennai, Tamil Nadu, India. He did his primary and secondary schooling in St.John’s Senior Secondary School and did his higher secondary schooling in St.John’s Matriculation Higher Secondary School. He then pursued his Bachelor’s degree in the field of Computer Science and Engineering at Madras Institute of Technology, Anna University. To further his interests, he joined the Department of Computer Science, Iowa State University, Ames, Iowa in August 2009. Achyuthan Vasanth works at the Virtual Reality Application Center (VRAC), Iowa State University and would be graduating with a Masters in Computer Science co-majoring in Human Computer Interaction degree.

**TABLE OF CONTENTS**

LIST OF TABLES . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

LIST OF FIGURES . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

ACKNOWLEDGEMENTS . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

ABSTRACT . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

CHAPTER 1. OVERVIEW AND MOTIVATION . . . . . . . . . . . . . . . . . . . .

CHAPTER 2. LITERATURE REVIEW . . . . . . . . . . . . . . . . . . . . . . . . . . . .

CHAPTER 3.

CHAPTER 4.

CHAPTER 5.

CHAPTER 6. RESULTS AND SNAPSHOTS

CHAPTER 7. SUMMARY AND FUTURE WORK

BIBLIOGRAPHY

**LIST OF TABLES**

**LIST OF FIGURES**

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**ABSTRACT**

**CHAPTER 1. OVERVIEW AND MOTIVATION**