

Bharadwaj J | CS13M058

Indian Institute of Technology Madras

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Education

Program	Institution	%/CGPA	Year of completion
Master of Technology, Computer Science and Engineering	Indian Institute of Technology Madras, Chennai	8.3	2015
Bachelor of Engineering, Computer Science and Engineering	SSN College of Engineering, Chennai	81%	2011
Class XII (CBSE)	St. John's English School & Junior College, Chennai	92%	2007
Class X (CBSE)	St. John's English School & Junior College, Chennai	92.2%	2005

Scholastic Achievements

- Secured an All India Rank of 180 out of 224,160 candidates in Graduate Aptitude Test in Engineering (GATE), 2013.
- Completed Bachelor of Engineering in 2011 with First Class With Distinction.
- School Topper (Science Stream) in Class XII CBSE Board Examinations, 2007
- Class XII Mathematics Subject Topper Award winner, for the academic year 2006-07.

Course Work

- Natural Language Processing
- Data Mining
- Advanced Data Structures and Algorithms
- Concurrent Programming
- Database Management Systems
- Introduction to Machine Learning
- Kernel Methods for Pattern Analysis
- Mathematical Concepts for Computer Science
- Operating Systems

Labs

- Advanced Programming Lab
- Database Management Systems Lab
- Operating Systems Lab

Skills

- **Languages:** C(expert), C++(proficient), JAVA and Python(prior experience)
- **Operating Systems:** Windows, Linux(Ubuntu)
- **Tools:** MATLAB, Scikit Learn
- **Miscellaneous:** Genesys Contact Center Framework

Professional Experience

System Engineer at **Infosys Ltd.** for 2 years i.e from June 2011 to June 2013.

- Trained in Microsoft .NET Framework 3.5.
- Part of team that develops and maintains Contact Center solutions for a leading bank in the United States.
- Involved in VoIP migration of existing bank sites.

Projects

Git Profile: <https://github.com/bharadwaj221>

Key Projects

1. Alignment of Large Web Taxonomies

M.Tech Project - Ongoing

Advisor: Dr. B. Ravindran, Associate Professor, Department of CSE

IIT Madras

- Given a set of different web taxonomies, the objective is to generate a common taxonomy whose nodes are obtained by aligning similar nodes from different taxonomies, by using Machine Learning algorithms.
- The project is a **joint work with the Data Science Group at Indix India.**

2. Speaker Verification Using Speaker Clusterwise Universal Background Model

B.E Project - April 2011

Advisor: Ms. B. Bharathi, Assistant Professor, Department of CSE

SSN College of Engineering

- A speech independent speaker verification system, that verifies the claim of a speaker to confirm his/her identity.
- The application groups target speakers into clusters, based on their vocal tract lengths, and verifies claims based on the cluster they belong to.

Course Projects

1. Structure Based Classification of Webpages

January - May 2014

CS6270 - Data Mining

IIT Madras

- Given a set of webpages from a particular domain, the aim is to classify them into meaningful categories, based on the structure of the web pages.
- Web data provided by Indix India consisting of webpages from different e-commerce websites was used.

2. Wait-Free Linked-Lists Using Fast-Path-Slow-Path Methodology

January - May 2014

CS6868 - Concurrent Programming

IIT Madras

- A linked list implementation that allows multiple threads to perform standard linked list operations in parallel.
- The implementation is wait - free i.e, all threads operating on the linked list make progress and complete their execution in a finite number of steps.

3. Sentiment Analysis of Movie Reviews

July - December 2013

CS6370 - Natural language Processing

IIT Madras

- Determination of the overall sentiment of a movie i.e, whether a movie is good or bad from its IMDB movie review, by using Machine Learning algorithms.

Positions of Responsibility

- In charge of Department Computing Facility Lab during non office hours
- Teaching Assistant for Computer Programming Lab for Second Year Undergraduate students

Co - Curricular Activities

- Participated in "code.fun.do hackathon", a student programming event organized by Microsoft, in January 2014.
- Attended workshop on "Getting Started with Linux Projects" organized by CSI Student Chapter of SSN College of Engineering, in August 2010.
- Underwent Inplant training in "Free and Open Source Software" at Semansys Technologies, in June 2009.

Objective

To secure a challenging position at a fast growing organization, that allows me to utilize and expand my skills, while contributing to the overall growth of the industry.

Declaration

I hereby declare that all the information given above is true to the best of my knowledge as on September 21st, 2014.