Arabinda Moni

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Education

2014–2016 **ME, Computer Science and Automation**, *Indian Institute of Science*, Bangalore,
Courses taken: Machine Learning, Natural Language Processing, Foundations of
Data Science, Game Theory, DBMS, Probability and Statistics, Linear Algebra,
Network and Distributed System Security, Design and Analysis of Algorithms,
Computational Complexity Theory.
CGPA: 6.7/8 (till 2nd semester)

2009-2013 **BE, Computer Science and Engineering**, *Jadavpur University*, Kolkata.
CGPA: 7.81

2009 **Intermediate (10+2) Examination**, *G.D.Lang Institution*, Raghunathpur, Purulia,
W.B., Board: WBBSE.
Marks: 84.4%

2007 **Matriculation Examination**, *G.D.Lang Institution*, Raghunathpur, Purulia, W.B.,
Board: WBCHSE.
Marks: 90%

Achievements

○ BE final year project was awarded best students project award by TCS (2013).The
project was part of a website which was launched by President of India Mr.Pranab
Mukherjee in 2013,at Jadavpur University.

○ Ranked 19 in CS GATE-2014 among 155,190 candidates.

○ Ranked 369 in WBJEE-2009 among more than 200,000 candidates

○ Selected for MHRD scholarship on the basis of merit.

○ Part of the team securing 10th position in the prestigious allen-ai science challenge
hosted in Kaggle.

Key Areas of Expertise

Natural Language Processing, Machine Learning, Question Answering System,
Search Engine, Knowledge Base and Machine Reading

Book Chapter

Author Co-author of the chapter 'Search Engine and Hyperconcordance' of the book
'Bichitra: The Making of an Online Tagore Variorum' published in Springer.

ISBN ISBN 978-3-319-23678-0

link `http://www.springer.com/in/book/9783319236773`

ME Project (ongoing)

domain Machine Reading

title *Temporal Scoping of Relational Facts*

supervisor Dr. Partha Pratim Talukdar, IISc, Bangalore

description The project is targeted at extracting temporal scope of relations between a pair of named entities using distant supervision from wikipedia corpus.

International Machine Learning Contest (2016)

domain Question answering system

title *The Allen AI Science Challenge*

supervisor Dr. Partha Pratim Talukdar, IISc, Bangalore

prize total $80000

description Allen institute of artificial intelligence organised an online contest where the goal was to develop an AI system that can beat 8th graders in science MCQ questions. Our team (MALL LAB,IISc) secured 10th position.

link `https://www.kaggle.com/c/the-allen-ai-science-challenge`

BE final year project (2012-13)

domain Information Retrieval

title *A full text search engine for project Bichitra*

supervisors Prof. Chandan Mazumdar, Jadavpur University

description Developed a customized full text search engine for project Bichitra,online Tagore variorum. Till now more than a million search requests have been served.

awards Won best student project award from TCS in 2013.

link `http://bichitra.jdvu.ac.in/search/bengali_search_bn.php`

Course Projects

- *Trending Topic Detection and Automatic Topic Labeling on Twitter(Machine Learning course project, Jan-Apr 2015)*: Used Online LDA for trending topic detection and n-gram model (3 grams) for automatic topic labelling.
- *Incentive Design for Online Educational Forums(Game Theory 2015)* : Designed a set of incentives to increase active and regular participation in piazza.
- *Efficient identification of IC-POSP plans (DBMS,2014):* Developed two efficient algorithms for finding isocost contour in plan diagram generated by picasso.

Personal Projects

- *RapidScreenShot:* A very simple java swing application to take screenshots rapidly.(total 500+ downloads in sourceforge).
  `http://sourceforge.net/projects/screenshot/`

- *Fast Duplicate File Finder:* A simple swing application to find duplicate files rapidly. Total 190+ downloads in sourceforge
  `http://sourceforge.net/projects/fdff/`
- *Mp3 TagEditor:* A gui application to edit tags in mp3 files. Total 125+ downloads in sourceforge
  `http://arabindamoni.github.io/Mp3TagEditor/`
- *Napster Reloaded:* Music sharing application inspired by napster.Total 50+ downloads in sourceforge
  `http://arabindamoni.github.io/napstarreloaded/`

Technical Skills

Languages:	Java, Python, C++, C
ML and NLP libraries:	Theano, Scikit, nltk, coreNLP
Web Development:	HTML, CSS, JavaScript
Distributed Systems:	Hadoop
IDE:	eclipse, Netbeans
Databases:	Oracle, Mysql
Operating Systems:	Linux, Windows

Declaration:

I hereby declare that the information given above is true to the best of my knowledge and belief.

Arabinda Moni
Date: 15th April, 2016
Place: Bangalore