

Madhav Ram Nimishakavi

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School Address

Computer Science and Automation,
Indian Institute of Science,
Bangalore, India 560012

Permanent Address

A-118, Western Plaza,
OU Colony, Raidurg,
Hyderabad, India 500008

RESEARCH INTERESTS

Machine Learning, Natural Language Understanding, applications of Machine Learning in NLP, Learning Theory, Knowledge Bases/Graphs, Tensor Factorization Methods.

EDUCATION

PhD, Computer Science and Automation

Indian Institute of Science (IISc), Bangalore, India

August 2014 - Present

THESIS - Unsupervised methods for Constructing Knowledge Bases and Inducing Schemas

C.G.P.A. 6.6 / 8

Adviser: Dr. Partha Talukdar

ME, Computer Science and Automation

Indian Institute of Science (IISc), Bangalore, India

August 2010 - June 2012

THESIS - Use of Semantics in Topic based Classification

C.G.P.A. 5.8 / 8

Adviser: Prof. M. Narasimha Murthy

BTech, Computer Science and Engineering

Sree Nidhi Institute of Science & Technology, Hyderabad, India

July 2006 - June 2010

Main Project - Container Independent Secure Data Communication

Percentage 73.55%

WORK EXPERIENCE

Software Development Engineer in Test at Microsoft India Development Center, Hyderebad, India

July 2012 - July 2014

INTERNSHIP EXPERIENCE

Applied Science Intern at Amazon Core ML, Bangalore, India

June 2017 - Present

Research Intern at Wipro, Bangalore, India

August 2015 - October 2015

Mentor: Dr. Anurag Srivastava

Worked on "Feasability of solving the IT automation problem De Novo"

TEACHING EXPERIENCE

Teaching Assistant, IISc UE 101, Algorithms and Programming, Fall 2016

Teaching Assistant, IISc E0 268, Data Mining, Spring 2015

PUBLICATIONS

Relation Schema Induction using Tensor Factorization with Side Information, EMNLP 2016.

PROGRAMMING SKILLS

C, C++, Java, C#, SQL, PL/SQL, Cypher, Python, MATLAB, PERL, L^AT_EX

OTHER PROJECTS

- Denoising Via Block Wiener Filtering in Wavelet Domain (Course Project)
- Analysis of Software code using LDA (Course Project)
- Developed an operating system called PINTOS (Course Project)

GRADUATE COURSEWORK

Probability & Statistics, Computational Methods of Optimization, Data Mining, Information Retrieval, Topics in Pattern Recognition, Probabilistic Graphical Models, Digital Image Processing, Design & Analysis of Algorithms, Automata Theory & Computation, Database Management Systems, Operating Systems, Game Theory, Linear Algebra (audit), Machine Learning (audit) and Topics in Webscale Knowledge Harvesting (audit)

ACHIEVEMENTS & ACTIVITIES

- Participated in Android App development hackathon, 2014 at Microsoft IDC, Hyderabad.
- Secured an all India rank of 45 (out of 107,086 candidates) in Graduate Aptitude Test in Engineering (GATE) 2010.
- Placement coordinator for Department of Computer Science & Automation (CSA) , IISc (Sept 2011 March 2012).
- Captain for Open Days 2012 at Department of CSA.
- Served as the Vice Captain for Sports Club, SNIST, Hyderabad (September 2006 - July 2008).