

MADHU G NADIG

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EDUCATION

Bachelor of Technology in Computer Science PES University, Bengaluru, Karnataka CGPA: 8.82/10.00	August 2014 - May 2018(expected)
CBSE, Class XII Kendriya Vidyalaya, Hassan, Karnataka. 90%	June 2012 - April 2014
CBSE, Class X Kendriya Vidyalaya, Hassan, Karnataka. CGPA: 9.8	March 2011 - March 2012

SELECTED WORK EXPERIENCE

* Software Contractor - ApexPredator Project, Ministry Of Defense, Govt. Of India	July 2017 - Present
* Software Development Internship, @WalmartLabs - Data Analytics	May 2017 - July 2017
* Research Internship, KAnOE - TEQIP II, PES University	May 2016 - March 2017

SELECTED AWARDS AND ACHIEVEMENTS

- Ranked amongst amongst **top 10 teams out of 14000+ participants** in UnitedByHCL International Hackathon - 2017, for a project on AI based content ranking algorithm for **Ubisoft SA**, held at Manchester, UK August 2017
- Awarded the **Inspiration Award** in Smart India Hackathon - 2017 - **World's Largest Hackathon** - for a project on real time data analytics and intelligence for **Dept. of Defense Production, Ministry of Defense, India.** April 2017
- Awarded the **Dr. CNR Rao Merit Award** By PES University October 2017
- Awarded a prize in **Best Paper Award** category at **International Conference in Digital Libraries** December 2016
- Represented India as a **Student ambassador to Japan** as a part of JENESYS June 2012
- Awarded the **National Talent Search Examination (NTSE)** scholarship by the **Govt. Of India** 2011
- Won the **National Level Gold Medal**, in abacus speed math competition August 2008
- Awarded the distinction award by PES University 2014-present

SELECTED PROJECTS

- **Empherical analysis of the Indian political ecosystem as an application of generic textual processing** May 2016 - Present
Project Under KAnOE - TEQIP II *Mentor: Dr. Kavi Mahesh*
- A cloud-based text analysis platform that enables the procurement, integration, storage, and analysis of large text-based data sets from multiple sources or domains.
- Full implementation of the platform with end-to-end integration between multiple technologies such as Python, nltk, Node.js, JavaScript and D3.js. Extensively used Machine learning and implemented custom Machine Learning algorithms.

- Platform successfully applied to the Indian political domain.

Distributed columnar key value data-store

August 2016 - December 2016

Project as a part of curriculum

- A demonstration of the implementation of a distributed columnar NoSQL key-value pair based data-store.
- support for multiple nodes, node management, centralized control, replica management and fault tolerance. Built the architecture suitable for 'read once write consistently' type of applications.
- Built the application from scratch with Python and NodeJS.

A centralized hyperlocal destination discovery service

August 2015 - Present

http://trawel.co.in

- A hyperlocal destination discovery service running on the web. Centralized curated web repository which lets users plan trips to places around their city within minutes.
- Built using NodeJS, ExpressJS, MongoDB, Handlebars and D3.js. Analytics and data discovery done using Java and Python respectively along with End-to-end analytics and live Google Maps support.
- Gets thousands of active hits each month.

MediaAnalytics

August 2016 - December 2016

Project as a part of the curriculum

Mentor: Dr. Gowri Srinivasa

- Providing relevant techniques and algorithms to human analysts in-order to enable them to draw insights from online news media. Prime focus in enabling the human analyst with powerful analysis tools. Applied a human-centric generic textual analysis platform to conform to the domain of mass media for effective human-based content monitoring and optimization.

Other projects: Machine Learning Algorithms from scratch in Python, Parallel Processing, Computer Assembler, Similarity based Text Analysis in Java.

PUBLICATION

Madhu Nadig, Bhargav K N, Kavi Mahesh " *Emperical Analysis of Indian political ecosystem as an application of genetic textual processing*" Vol. 2 - Issue 5, International Conference in Digital Libraries (ICDL 2016), ISBN: 978-81-7993-653-5 December 2016

Madhu G Nadig " *Computed Science-to-Economy Conversion for Better Farming and Forestry*" Vol. 4 - Issue 6, International Journal of Research in Computer Science (IJORCS 2015), ISSN: 2249 - 8257 June 2015

SKILLS AND INTERESTS

Interests Machine Learning, Data Visualization, Data Analytics, Neural Networks, Algorithms, Back-end Programming, NLP, Product Development and Parallel Processing

Skill-set Python, Node.js, Java, C, C++, JavaScript, Algorithms, MapReduce, D3.js, NLP - Python nltk, Machine Learning - sklearn, Data Structures, Linux

RELATED COURSEWORK

Algorithms, Data Structures, Machine Learning by Andrew Ng(Coursera), Data Analytics, Big Data, Parallel Processing, Text Mining and Analytics(Coursera), Web Technology I and II, Cloud Computing

MISCELLANEOUS

Blog: <http://madhugnadig.com/articles/>