MADHU G NADIG

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EDUCATION

Bachelor of Technology in Computer Science August 2014 - May 2018(expected)
PES University, Bengaluru, Karnataka
CGPA: 8.82/10.00

CBSE, Class XII June 2012 - April 2014
Kendriya Vidyalaya, Hassan, Karnataka. 90%

CBSE, Class X March 2011 - March 2012
Kendriya Vidyalaya, Hassan, Karnataka. CGPA: 9.8

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

- Selected for final presentation amongst **37 teams out of 10000+ participants** in UnitedByHCL International Hackathon - 2017, for a project on AI based content ranking algorithm for **Ubisoft SA**. Finals to be held at **Manchester, UK** on Sept. 2017. 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
- Selected for publication in **World Digital Library**, an International peer reviewed journal. January 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 "*Empherical 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 Anlytics, 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

References: Dr. Gowri Srinivasa, PESIT-BSC / PES University, Bengaluru.

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