


# Nihal Nayak

Email : [nihalnayak \[at\] gmail \[dot\] com](mailto:nihalnayak[at]gmail[dot]com)

 <https://github.com/iampuntre>

## ACADEMIC DETAILS

- B.E. in *Information Science and Engineering*, M S Ramaiah Institute of Technology, 2013 - 2017 (CGPA : 8.91)

## FIELDS OF INTEREST

- Natural Language Processing, Cognitive Science and Web Development.

## INTERNSHIPS

- **DESE (formerly CEDT), Indian Institute of Science** *Intern*  
*Guide: Prof. H. S. Jamadagni , July 2015 - till date*
  - Worked on incentive based vocabulary improvement application. Researched on Testing Effect, Spacing Effect and other techniques that aid in long term retention. Developed thesauri based short answer grading algorithm (NLP) to grade user's answers
  - Developed a web application using MEAN Stack for **Ministry of Micro, Small and Medium Enterprises (Govt. of India)** to digitize application process at IISc MSME Centre of Excellence
  - Involved in research and development of submersible pump suggestion system based on linear interpolation of performance curve of the products obtained from openly available data
- **Stride Summer Intern**  
*June 2016 - August 2016*
  - Involved in data scraping using NLP(Natural Language Processing) and Python, to parse third party public portals to get key data points, which act as a key input to the Compliance management process for one of the largest European investment bank.

## PUBLICATION

- **Nihal V. Nayak**, Tanmay Chinchore, Aishwarya Hanumanth Rao, Shane Michael Martin, Sagar Nagaraj Simha, G.M. Lingaraju and H.S. Jamadagni. **V for Vocab : An Intelligent Flashcard Application**. *55th Annual Meeting of the Association for Computational Linguistics - Student Research Workshop (ACL 2017), Vancouver, Canada*
- Mydhili Nair, **Nihal Nayak** and Arjun Rao. **Data Migration Techniques from SQL to NoSQL**. *NoSQL: Database for Storage and Retrieval of Data in Cloud*. Chapman and Hall/CRC, 2017.

## TECHNICAL TALK

- **Sentiment Analysis on Demonetization in India** in *Faculty Development Program on Cognitive Computing* at M S Ramaiah Institute of Technology (January, 2017)

## ACHIEVEMENTS

- Received travel grant from ACL Student Research Workshop to attend ACL 2017 in Vancouver, Canada.
- Best Outgoing Student (2013-2017) from Department of Information Science and Engineering, M S Ramaiah Institute of Technology.
- Received Award Certificate from IEEE and cash prize of **USD 2000** for winning 2015 IEEE/IBM Watson Showcase (Worldwide Competition on Cognitive Computing) for project **Wordinator**. It was featured in Computer Society Magazine January 2016 Issue as it was amongst the top 5 projects in the competition.  
<http://www.computer.org/csdl/mags/co/2016/01/mco2016010102.html>

## EXTRA CURRICULAR ACTIVITIES

- Coordinator (Head of Operations) for TEDxMSRIT 2016.

- Student Representative in the College Sports Committee for Athletics for the years 2015-16, 2016-17. Captain of Athletic team for the year 2016-17.
- Core Committee Member for Entrepreneurship Development Cell at MSRIT for the years 2015-16, 2016-17.
- Coordinator for College Open Day (Pradarshana) 2016.
- Overall Coordinator for IEEE Women in Engineering(WiE) Chapter in MSRIT 2015.

#### TECHNICAL SKILLS

- **Proficient:** Python, JavaScript
- **Intermediate:** HTML, MongoDB, Git
- **Beginner:** Spacy, NLTK,  $\text{\LaTeX}$ , Selenium Web Driver

#### HOBBIES

- Freelancer for Websites and Web Applications.
- Track and Field Enthusiast.