

Nihal V. Nayak

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 <https://iampuntre.github.io>

ACADEMIC DETAILS

- B.E. in *Information Science and Engineering*, Ramaiah Institute of Technology, Bangalore, India. 2013 - 2017

FIELDS OF INTEREST

- Natural Language Processing and Language Acquisition

EMPLOYMENT

- **Stride.AI**
NLP Engineer, November 2017 - Present
 - Project lead for a proprietary python library for Information Extraction(IE) from PDF documents. The library reduced development time for IE projects across the company
- **DESE (formerly CEDT), Indian Institute of Science**
Guide: Prof. H. S. Jamadagni
Project Assistant, August 2017 - November 2017
 - Contributed on Video Analytics project: Reconstruction of papers for Crowd Detection. Data Creation and Validation of 5 sub-components in the project

INTERNSHIPS

- **DESE (formerly CEDT), Indian Institute of Science**
Guide: Prof. H. S. Jamadagni
Project Intern, July 2015 - July 2017
 - 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. **(Published at ACL SRW 2017)**
 - Developed a web application for Ministry of Micro, Small and Medium Enterprises (Govt. of India) to digitize application process at IISc MSME Centre of Excellence. The organization witnessed exponential increase in the number of applications received per year
- **Stride.AI**
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

ACHIEVEMENTS

- Received travel grant from Association for Computational Linguistics to attend ACL 2017 in Vancouver, Canada.
- Best Outgoing Student (2013-2017) from Department of Information Science and Engineering, Ramaiah Institute of Technology.
- Received USD 2000 for winning 2015 IEEE/IBM Watson Showcase (Worldwide Competition on Cognitive Computing) for project **Wordinator**.
<http://www.computer.org/csdl/mags/co/2016/01/mco2016010102.html>

PUBLICATION

- **Nihal V. Nayak** and Arjun R. Rao. **Context Based Approach for Second Language Acquisition**. *13th Workshop on Innovative Use of NLP for Building Educational Applications (BEA at NAACL 2018)*, New Orleans, USA.

- **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)

PROFESSIONAL SERVICE

- **Reviewer:** ACL SRW 2018
- **Volunteer:** ACL 2017

TECHNICAL SKILLS

- **Proficient:** Python
- **Intermediate:** HTML, CSS, JavaScript, Spacy, NLTK, Git
- **Beginner:** \LaTeX , Selenium Web Driver

EXTRA CURRICULAR ACTIVITIES

- Coordinator (Head of Operations) for TEDxMSRIT 2016.
- Captain of Athletic team for the year 2016-17. Student Representative in the College Sports Committee for Athletics for the years 2015-16, 2016-17.
- Overall Coordinator for IEEE Women in Engineering(WiE) Chapter in MSRIT 2015.