Nihal V. Nayak

CONTACT
INFORMATION

E-mail: nnayak2@cs.brown.edu
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EDUCATION

Brown University, Providence, USA

   Ph.D. in Computer Science, 2019 - Present

M. S. Ramaiah Institute of Technology, Bangalore, India

   B.E. in Information Science and Engineering, 2013 - 2017

EXPERIENCE

Brown University, Providence, USA
Advisor: Stephen H. Bach
Graduate Research Assistant   **August 2019 - Present**
Introduced a novel graph neural network for zero-shot learning with common sense knowledge graphs. Achieved new state-of-the-art accuracies on five zero-shot benchmark datasets in object classification, intent classification, and fine-grained entity typing tasks.

Stride.AI, Bangalore, India
NLP Engineer   **November 2017 - May 2019**
Researched on low resource information extraction in financial domain. Improved the state-of-the-art performance for financial NER dataset by 5.8 accuracy points [AAAI-MAKE 2019].

Summer Intern   **June 2016 - August 2016**
Involved in data scraping to parse third party public portals to get key data points.

Indian Institute of Science, Bangalore, India
Advisor: H. S. Jamadagni
Project Assistant   **August, 2017 - November, 2017**
Involved in data creation and validation of sub-components of a video analytics project.

Project Intern   **July 2015 - July 2017**
Developed a novel vocabulary flashcard application with a short answer grading algorithm [ACL SRW 2017] .

HONORS AND
AWARDS

Received travel grant from Association for Computational Linguistics to attend ACL 2017 in Vancouver, Canada.

Received Best Outgoing Student Award (2013 - 2017) from Department of Information Science and Engineering, M.S. Ramaiah Institute of Technology.

Received USD 2000 for winning the 2015 IEEE/IBM Watson Showcase (worldwide competition) [Article].

SELECT
PUBLICATIONS AND
PREPRINTS

Nihal V. Nayak and Stephen H. Bach. **Zero-Shot Learning with Common Sense Knowledge Graphs.** *ArXiv 2006.10713, 2020* [PDF].

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)* [PDF].