

SOURABH MAJUMDAR

<https://sourabhmajumdar.github.io>

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OBJECTIVE

Looking for a research oriented internship/fellowship in Machine Learning and Deep Learning.

EDUCATION

BITS-Pilani, Goa Campus

August 2015 - May 2019

B.E.(Hons.)

Computer Science and Engineering

GPA : 7.95/10

Cambeidge School, Noida

July 2013 - April 2015

Senior Secondary

Science Stream

Passing Percentage : 92.6%

Cambridge School, Noida

July 2011 - April 2013

Secondary

Sanskrit Branch

GPA : 10/10

TECHNICAL STRENGTHS

Operating Systems

Windows, Linux

Computer Languages

Python, Java, C/C++, Octave/MATLAB

Deep Learning Frameworks

Tensorflow, Pytorch, Keras

PROJECTS

Language Technology Research Center, IIIT-Hyderabad

May 2019 - July 2019

Performing Neuralcoreference Resolution on NPTEL Trascripts

- Linguistic Analysis of NPTEL Lecture Transcripts.
- Application of neuralcoreference models on NPTEL Lecture Transcripts.
- Error Analysis of the neuralcoreference models on NPTEL lecture transcripts and proposing memory models to overcome the errors.
- Training memory models and comparing its performance with neuralcoreference models.

Fondazione Bruno Kessler

August 2018 - December 2018

Undergraduate Thesis

- Constructed Conversational Data using Self-Play technique.
- Constructed and tested custom memory models against state of the art deep learning architectures.
- Tested generalization capability of Neural Conversational Agents using Challenge Sets.

BITS-Goa

January 2018 - May 2018

Conversational Agent

- Bootstrapped a conversational agent in the University Library.
- Deployed Interactive data collection feature to collect data to train supervised models.

PUBLICATIONS

- **Sourabh Majumdar**, Dr. Serra Sinem Tekiroglu, Dr. Marco Guerini “*Generating Challenge Datasets for Task-Oriented Conversational Agents through Self-Play*” accepted in Recent Advances in Natural Language Processing (RANLP 2019).

INTERNSHIPS

Research Intern

May 2019 - July 2019

Language Technology Research Center, IIIT-Hyderabad

Compared State of art Neural Coreference Models.

Research Intern

August 2018 - December 2018

Fondazione Bruno Kessler, Trento, Italy

Wrote Undergraduate Thesis on Neural Conversational Agents.

Remote Intern

August 2017 - October 2017

Indian Institute of Management, Lucknow

Worked on Data Science and Analytics problems.

Intern

May 2017 - July 2017

Indian Red Cross Society

Documented workshops and flash-mobs spreading awareness on heat-waves.

WORKSHOPS AND PARTICIPATIONS

Robotics Workshop by Inventrom

Roborace QUARK-2016, finished 3rd

Robosoccer QUARK-2016, finished 3rd

Networking workshop from Nettech

Teaching Assistant for Computer Programming Course 2018

EXTRA CURRICULARS

Crew Member

Department of Backstage and Infrastructure

August 2015 - May 2016

Participated in setting stage equipment for all University Events.

Core Member

QUARK Controls

August 2015 - May 2017

Organized the Technical Festival of University.

Member

Electronics and Robotics Club

August 2015 - May 2016

Participated in constructing various automated systems like smart homes and line follower robots.