

ADITYA SRIVASTAVA

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WORK EXPERIENCE AND RESEARCH

SentiSum

October 2021 - Present

Member of Technical Staff - NLP and Machine Learning

Working on text classification, textual anomaly detection and unsupervised information extraction.

Language Technologies Research Center (LTRC) - IIIT Hyderabad

August 2017 - Present

MS by Research and Research Assistant

Previously working with Dr. Dipti Misra Sharma (Head, LTRC) on sentiment extraction and identification of political bias in news; now working on generation and sentiment analysis of code mixed language.

Rakshak Project - AI for Medicine

August 2020 - February 2021

Research Assistant

Built a platform that facilitates ML and data science on medical datasets under Prof. Ramesh Loganathan and Prof. Vikram Pudi, in collaboration with Intel Labs India.

Institute for High Performance Computing and Networking (ICAR CNR, Italy)

May 2019 - March 2020

Research Intern

Worked with Dr. Giuseppe Manco (Senior Researcher, National Council for Research, Italy) and team, on the application of deep neural networks in recommendation systems.

International Institute of Information Technology, Hyderabad

August 2019 - December 2019

Teaching Assistant - CL1.101 Introduction to Linguistics

Responsibilities included conducting tutorial classes, and setting/grading assignments and test papers.

PUBLICATIONS AND PROJECTS UNDERTAKEN

Publication: Pending submission still in anonymity period, awaiting review.

TLDR: Transformers for Learning Dictionaries and their Representations

Due in 2022

- Submitted to the [CODWOE shared task in the SemEval Workshop 2022, ACL](#), where we achieved **first place** on the leaderboard for the definition modeling subtask and competitive scores on the embedding generation subtask.
- We used transformer models for both subtasks, experimenting with techniques like unsupervised pretraining, multitask learning and contrastive learning, and will be publishing our results.

Publication: HCMS for Sentiment Classification in Code-Mixed Language

December 2020

- Accepted at the SemEval Workshop 2020, ACL.
- Devised a multi-level neural architecture, employing CNNs and self-attention to perform sentiment analysis in a low-resource, code-mixed language setting.

Project: Collaborative Mem. Nets. for Recommendation (Pytorch)

June 2019

- Created a Pytorch port for the architecture detailed in the aforementioned paper.

ACHIEVEMENTS

The Dean's List of Meritorious Students - IIIT Hyderabad

August 2016

Made the Dean's list of students with exemplary academic performance in the academic year 2015-2016.

Winner of IIIT-Hyderabad & ECell Megathon

September 2018

Finished at 1st position in the security domain at Megathon, a national, university-level hackathon.

EDUCATION

International Institute of Information Technology, Hyderabad

August 2015 - Present

M.S. by Research in Computational Linguistics

CGPA 8.25

B.Tech. in Computer Science & Engineering

CGPA 7.45

TECHNICAL SKILLS

Programming Languages

Python, C/C++, BASH, SQL

Libraries and Packages

Keras, Tensorflow, PyTorch, Stanford Core NLP Tools, spaCy, Pandas, MySQL

Miscellaneous

GNU-Linux, Windows, Git, LaTeX, Arduino