ADITYA SRIVASTAVA

Links : LinkedIn, GitHub

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WORK EXPERIENCE AND RESEARCH

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.

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 to EMNLP '21 (still in anonymity period)   *Due November 2021*
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.

Paper Implement.: Collaborative Mem. Nets. for Recommendation (SIGIR '18)   *June 2019 - July 2019*
- Implemented the architecture detailed in the aforementioned paper in Pytorch.

Author Identification on Emails using Hierarchical BiLSTMs   *August 2017 - November 2017*
- Introduced a novel setup using hierarchical bidirectional LSTMs, which systematically represent all the data in the email.
- Feature engineering on the data revealed multiple stylometric patterns that were key to identifying individuals as the original authors of the emails.

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

RELEVANT COURSES

Data Structures & Algorithms, Artificial Intelligence & Statistical Mechanics in AI, Computational Socio-Pragmatics, Natural Language Processing & Applications, Computational Methods in Linguistics, Distributed Computing, Information Retrieval & Extraction, Language Typology and Universals, Linear Algebra, Speech Technology, Game Theory