

Aditya Srikanth Veerubhotla

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EDUCATION

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE (BITS), PILANI

B.E. in Computer Science

Electives: Artificial Intelligence, Machine Learning, Neural Networks, Data Mining

Hyderabad, India
Aug 2016 - Jul 2020

WORK EXPERIENCE

MICROSOFT

Applied Scientist

- Shipped models doing multilingual Question Generation, Grammatical Error Detection, Relevance classification, and Ranking in Bing.
- Achieved 6-12x model size reduction using Distillation, and used ONNX for deploying models.

Hyderabad, India
Jul 2020 - Aug 2021

MICROSOFT

Undergraduate thesis. Advised by Sandeep Aparajit and Dr. Aruna Malapati

- Worked on Multilingual Neural Question Generation. [Dissertation]

Hyderabad, India
Jan 2020 - Jul 2020

MICROSOFT

Software Engineer Intern

- Deployed models on Text Summarization, Co-reference Resolution, and Question Generation in TensorFlow.

Hyderabad, India
May 2019 - Jul 2019

CENTER OF INNOVATION, LVPEI

LVP-MITRa Summer Fellow

- Built an end-to-end system for patient information collection using Django and Android.
- Built a chatbot using Android, Django, and ElasticSearch for answering Frequently Asked Questions.

Hyderabad, India
May 2018 - Jul 2018

BITS PILANI HYDERABAD CAMPUS

Undergraduate researcher. Advised by Dr. Aruna Malapati and Dr. N.L. Bhanu Murthy

- Developed a resource efficient model for Aspect Term Extraction that outperformed previous BERT-based approaches.
- Improved upon previous approaches to develop the best Convolutional Neural Network model for Aspect Based Sentiment Analysis
- Created a model (MHA-BILSTM) that outperformed other baselines in Computational Sarcasm Detection
- Did a comprehensive study on techniques for Code Summarization which aims to generate natural language summaries from program fragments.

Hyderabad, India
Jan 2019 - Dec 2019

PUBLICATIONS

- Kumar, A., Vishnu Teja, N., Aditya Srikanth, V., Malapati, A., Bhanu Murthy, N.L., (2020, January). Sarcasm Detection Using Multi-Head Attention Based Bidirectional LSTM. IEEE Access [Paper]
- Kumar, A., Vishnu Teja, N., Aditya Srikanth, V., Malapati, A., Bhanu Murthy, N.L., (2020, January). Aspect-Based Sentiment Classification Using Interactive Gated Convolutional Network. IEEE Access [Paper]
- Kumar, A., Vishnu Teja, N., Pranjali, G., Aditya Srikanth, V., Malapati, A., Bhanu Murthy, N.L., (2020, July). Adversarial and Auxiliary Features-Aware BERT for Sarcasm Detection. CODS-COMAD 2021.
- Zero-shot Multi-lingual Interrogative Question Generation for "People Also Ask" at Bing. Rajarshree Mitra, Rhea Jain, Aditya Srikanth Veerubhotla, Manish Gupta. KDD 2021
- Kumar, A., Aditya Srikanth, V., Vishnu Teja, N., , Malapati, A., Bhanu Murthy, N.L.. Aspect Term Extraction for Opinion Mining Using a Hierarchical Self-Attention Network. Neurocomputing (August 2021).

PROJECTS

- Created an application for simulating a Metro Rail Transportation System using Android and Django. Implemented Yen's algorithm for finding the shortest-path. [Code]
- Implemented Local Outlier Factor (LOF) and Density-Based Spatial Clustering of Applications with Noise (DBSCAN) outlier detection algorithms using Multiprocessing in Python. [Code]

SKILLS

- Programming Languages:** Python, SCOPE, SQL, Java, C, HTML, CSS, LaTeX
- Other Technologies:** PyTorch, TensorFlow, GIT, Android, ElasticSearch

HONORS

- Best Research Talk Award for "Learning to ask in Bing", MLADS-SYNAPSE 2020, Microsoft AI Conference. July 2020
- Awarded "Best Team" among 14 teams in India for work done during internship at Microsoft. July 2019
- Finalist: Engineering The Eye Hackathon for Sensei: an indoor navigation system. July 2018

EXTRA CURRICULAR ACTIVITIES

- Lab Volunteer: Data Science Lab, BITS Pilani Hyderabad Campus. Jan-Dec 2019
- Member: English Language Activities Society, organized writing and speaking competitions. 2017-2018
- Self-taught guitarist, performed in school band. 2013-Present