

Aditya Srikanth Veerubhotla

(+1) (412)-214-2124 • Email: adityasv@cs.cmu.edu

[GitHub](#) • [LinkedIn](#) • [Google Scholar](#)

EDUCATION

LANGUAGE TECHNOLOGIES INSTITUTE, CARNEGIE MELLON UNIVERSITY

MS, Intelligent Information Systems - Advanced Study

Coursework: Advanced NLP (TA Fall, 2022), Intermediate Deep Learning, Multimodal Machine Learning

Pittsburgh, Pennsylvania

Aug 2021 - Present

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE (BITS), PILANI

B.E. in Computer Science

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

Hyderabad, India

Aug 2016 - Jul 2020

EXPERIENCE

AMAZON SCIENCE

Applied Scientist Intern

• Researched on building Self-Rationalization models using Semi-Supervised Learning techniques.

Seattle, Washington

May 2022 - Aug 2022

LANGUAGE TECHNOLOGIES INSTITUTE, CARNEGIE MELLON UNIVERSITY

Directed Study; Advised by Professor Jamie Callan

• Worked on Contextualized Term Expansion techniques for Sparse First-Stage Retrieval models. [Code]

Pittsburgh, Pennsylvania

Jan 2022 - May 2022

MICROSOFT R&D

Applied Scientist

• Shipped Multilingual Question Generation, Grammatical Error Detection, Relevance classification, and Ranking models in Bing.

• Achieved 6-12x model size reduction using Distillation, Quantization and using ONNX.

Hyderabad, India

Jul 2020 - Aug 2021

Undergraduate Thesis; Advised by Sandeep Aparajit and Dr. Aruna Malapati

• Researched on Multilingual Neural Question Generation, and developed systems which enable the generation of questions for text-based inputs in over 100 languages for "People Also Ask" in Bing. [Link]

Jan 2020 - Jul 2020

Software Engineer Intern

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

May 2019 - Jul 2019

CENTER FOR INNOVATION, LVPEI

LVP-MITRa Summer Fellow

• Part of a summer internship program organized by LV Prasad Eye Institute and MIT Media Labs.

• Built an end-to-end system for patient information collection using Django and Android.

• Deployed a chatbot using Android, Django, and ElasticSearch for answering Frequently Asked Questions about medical procedures.

Hyderabad, India

May 2018 - Jul 2018

PUBLICATIONS

• Bansal, S*, Tripathi, S*, Agarwal, S*, Gururaja, S*, Veerubhotla, A. S*, Dutt, R., Mitamura, T., Nyberg, E., (May 2022). R3 : Refined Retriever-Reader pipeline for Multidoc2dial. *ACL 2022* [Link]. (*equal contribution)

• Kumar, A., Aditya Srikath, V., Vishnu Teja, N., Malapati, A., Bhanu Murthy, N.L.. Aspect Term Extraction for Opinion Mining Using a Hierarchical Self-Attention Network. *Neurocomputing* [Link]

• Rajarshee Mitra, Rhea Jain, Aditya Srikanth Veerubhotla, Manish Gupta. Zero-shot Multi-lingual Interrogative Question Generation for "People Also Ask" at Bing. *KDD 2021* [Link]

• Kumar, A., Vishnu Teja, N., Pranjal, G., Aditya Srikath, V., Malapati, A., Bhanu Murthy, N.L., (2020, July). Adversarial and Auxiliary Features-Aware BERT for Sarcasm Detection. *CODS-COMAD 2021* [Link]

• Kumar, A., Vishnu Teja, N., Aditya Srikath, V., Malapati, A., Bhanu Murthy, N.L., (2020, January). Aspect-Based Sentiment Classification Using Interactive Gated Convolutional Network. *IEEE Access* [Link]

• Kumar, A., Vishnu Teja, N., Aditya Srikath, V., Malapati, A., Bhanu Murthy, N.L., (2020, January). Sarcasm Detection Using Multi-Head Attention Based Bidirectional LSTM. *IEEE Access* [Link]

PROJECTS

• Researched on building a Multi-Modal Multi-Hop Retriever for retrieving image and text evidences for WebQA. [Code].

• Created an application for simulating a Metro Rail Transportation System using Android and Django. Implemented Yen's algorithm for finding the shortest-path. [Code]

SKILLS

• **Programming Languages:** Python, SCOPE, SQL, Java, C, HTML, CSS, LaTeX

• **Other Technologies:** PyTorch, TensorFlow, GIT, Android, ElasticSearch

HONORS

• **Winner, shared task** on Unseen set, MultiDoc2Dial Workshop, ACL 2022

• **Best Research Talk Award** for "Learning to ask in Bing", MLADS-SYNAPSE 2020, Microsoft AI Conference

• Led a team of 4 interns to win the "Best Team" award among 14 teams in India at Microsoft India.

May 2022

Jul 2020

Jul 2019