

KALPESH KRISHNA

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EDUCATION

University of Massachusetts, Amherst

Sept '18 - Present

MS/PhD in Computer Science (advised by [Prof. Mohit Iyyer](#))

UMass CICS Fellowship 2018-19

Victor Lesser Graduate Scholarship in AI 2019-20

Indian Institute of Technology, Bombay

July '14 - July '18

B.Tech in Electrical Engineering (Minor in Computer Science & Engineering)

(advised by [Prof. Preethi Jyothi](#))

Major GPA: **9.74/10** (2nd among 66 students) (Minor GPA: 10/10)

Sharad Maloo Memorial Gold Medalist for outstanding all-round performance

PAPERS

- Thieves on Sesame Street! Model Extraction of BERT-based APIs
K. Krishna, GS. Tomar, AP. Parikh, N. Papernot, M. Iyyer
(preprint, available on request)
- Generating Question-Answer Hierarchies
K. Krishna, M. Iyyer
ACL 2019 arXiv:1906.02622 [cs.CL]
- Syntactically Supervised Transformers for Faster Neural Machine Translation.
N. Akoury, **K. Krishna**, M. Iyyer
ACL 2019 arXiv:1906.02780 [cs.CL]
- Trick or TReAT: Thematic Reinforcement for Artistic Typography
P. Tendulkar, **K. Krishna**, R. Selvaraju, D. Parikh
ICCC 2019 (Best Presentation Award) arXiv:1903.07820 [cs.CV]
- Revisiting the Importance of Encoding Logic Rules in Sentiment Classification
K. Krishna, P. Jyothi, M. Iyyer
EMNLP 2018 (oral presentation, short paper), arXiv:1808.07733 [cs.CL]
- Hierarchical Multitask Learning for CTC-based Speech Recognition
K. Krishna, S. Toshniwal, K. Livescu, arXiv:1807.06234v2 [cs.CL]
- A Study of All-Convolutional Encoders for Connectionist Temporal Classification
K. Krishna, L. Lu, K. Gimpel, K. Livescu
ICASSP 2018 (Awarded SPS Travel Grant), arXiv:1710.10398v2 [cs.CL]

EXPERIENCE

Google AI Language

May '19 - September '19

Research Intern under Gaurav Singh Tomar and Ankur Parikh

New York, NY

Toyota Technological Institute at Chicago

May '17 - July '17

Visiting Student under [Karen Livescu](#), [Liang Lu](#) and [Kevin Gimpel](#)

Chicago, IL

Mozilla Foundation

May '16 - August '16

Google Summer of Code student under [Armen Zambrano](#)

Mumbai, India / London, UK

¹Use URL martiansideofthemoon.github.io in case hyperlinks don't work

SCHOLASTIC ACHIEVEMENTS

- **Cargill Global Scholar** (2016-18) Selected by the [International Institute of Education](#) and [Cargill](#) (largest private corporation in USA) for a global leadership [program](#).
- Received the Institute Academic Prize for standing 2nd in the sophomore year 2015-16.
- Selected for [JSALT '17](#), organized by JHU's [Center for Language and Speech Processing](#)².
- **Top 10** at the Astronomy Olympiad's Indian Selection Camp for IOAA '14, (~20000 applicants).
- All India Rank 2 (*out of 132k*) in [ICSE](#) '12, All India Rank 93 in [JEE Advanced](#) '14 (*out of 126k*) and All India Rank 34 in [JEE Mains](#) '14 (*out of 1.4M candidates*).

RESPONSIBILITIES

- **Manager, Web and Coding Club** at IIT Bombay (2016-17)
(*awarded Institute Organizational Color 2016-17*)
- **Institute Student Mentor** at IIT Bombay (2017-18)
- **Teaching Assistant** at IIT Bombay in *Computer Programming* (2016) and *Linear Algebra* (2017)

²Couldn't attend due to clashing college schedule