KALPESH KRISHNA

kalpeshk2011@gmail.com ⋄ *LinkedIn* ⋄ *Github* ⋄ *Webpage*[1]

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

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

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]`

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[1]Use 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, ($\sim$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)

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[2]Couldn't attend due to clashing college schedule