

VINAYSHEKHAR BANNIHATTI KUMAR

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EDUCATION

Carnegie Mellon University , Pittsburgh

Masters of Language Technology, Language Technologies Institute

August 2018 - August 2020

GPA: **4.19**

Relevant courses: Neural Networks for NLP, Introduction to Machine learning, Question and Answering

PES Institute of Technology, Bangalore

Bachelor of Engineering, Computer Science.

August 2013 - May 2017

GPA: **10/10 (Rank 1)**

Relevant courses: Big Data, Applied Machine learning, Web technology, Linear Algebra

SKILLS

- Pytorch, Keras, Tensorflow, scikit-learn, NLTK, Docker , Django, MVC
- Python, JavaScript, Java, C, C#

WORK EXPERIENCE

Microsoft Research and Development, Hyderabad

June 2017 - July 2018

Software Engineer

- Sole developer who implemented the profile experience of Cortana which shows users their basic profile information while also allowing them to add key places - In production today.
- Contributed to "Hey Cortana" voice experience for reminders scenario in the lock screen mode on a Windows PC.
- As a hobby project I designed and implemented an automation framework by using computer vision to capture broken experiences.

Microsoft Research and Development, Hyderabad

May 2016 - July 2016

Software Engineering Intern

- Implemented modules which helped to visualize user interactions on the Bing Search Results page by using interaction data which helped in the evaluation of Bing answers. Used proprietary big data technologies similar to HIVE and Hadoop for data extraction.

PUBLICATIONS AND PERSONAL PROJECTS

WriterForcing: Generating more interesting story endings –Storytelling workshop, ACL 2019

- This project aims to generate diverse and interesting story endings by forcing to attend on the keywords present in the story.
- Builds on the simple attention of Sequence to Sequence models by using ITF loss and "forcing" loss to generate more interesting endings to a given story context.

Dr.Quad at MEDIQA 2019: Towards Textual Inference and Question Entailment using contextualized representations

- Presents an indepth study of using textual entailment in the field of medicine to incorporate domain knowledge in State of the Art Systems.

Quantifying in-domain Distributed Word Representations from Privacy Policies –PAL, AAI 2019

- A detailed study on the impact of in-domain word embeddings to understand and interpret privacy policies.

Neu0 –ICLR Workshop 2017

- A neural computational core to execute ARM code in fuzzy fashion. Uses deep learning models which are robust in handling syntax malformation.

Effect of Rebuttal in peer reviewed conferences

- This work used the techniques presented in the field of computational social science to study reviewers behaviour in a public setting involving other reviewers.
- We also studied the effect of certain social cues of the authors in order to maximize their chance of increasing the score.

HONORS AND ACCOLADES

- Awarded **best outgoing student** for computer science department in PES Institute of Technology.
- **Best Project Award by AMD** for final year undergraduate projects
- **Best Poster Award** In Microsoft during the India Data Sciences Meet
- Recipient of the **gold medal** and SAP scholarship for being the topper of the college.
- Third place winners of the **AbinBev, Angel-Hack** Hackathon for performing OCR on their product using deep learning.