Yash Kumar Lal

Contact

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GitHub: ykl7

Education

Aug '18 - May '20	MSE in Computer Science, **Johns Hopkins University** Advisor - Philipp Koehn
Aug '14 - May '18	B.Tech. in Computer Science and Engineering, **MIT Manipal** Minor - Intelligent Systems GPA: 8.34/10
Dec '16	Introduction to Natural Language Processing **UMich, Coursera** Score - 94%

Work Experience

Aug 2018 -	Graduate Assistant *EN 601.621 Object Oriented Software Engineering* Mentoring students on their projects, helping the professor with tutorials, labs and grading.
Jan-June 2018	NLP Intern *ThreatLandscape Cyber Solutions* Built various natural language processing and deep learning modules for the domain of cybersecurity.
May-July 2017	Research Student *Language Technologies Research Centre, IIIT-Hyderabad* Worked on a project to generate neural embeddings for polysemous words. Came up with an iterative concordance-based approach to extend Word2Vec for the same.
May-July 2016	Summer Intern, Capital Assist *Snapdeal India* Conducted credit analysis and risk evaluations for sellers on Snapdeal's online platform. Calculated probability of loan default and possible CIBIL scores according to RBI guidelines.
Feb-June 2016	Lead iOS Developer - Remote *Gashuku TV, MI, USA* Developed the beta iOS app for the video content sharing and broadcasting service catering to small sports organisations.

Publications

Identifying Clickbait: A Multi-Strategy Approach Using Neural Networks Engine. In Proceedings of the 41st International ACM SIGIR Conference on Research and Development in Information Retrieval 2018. Pages: 1225-1228

SWDE : A Sub-Word And Document Embedding Based Engine for Clickbait Detection. In Proceedings of SIGIR 2018 Workshop on Computational Surprise in Information Retrieval, Ann Arbor, MI, USA, July 8-12 (CompS'18, SIGIR), 4 pages

Projects

Aug-Nov 2017	**Ping**
	Ping is a smart platform for language independent communication between users, businesses and their customers. It uses artificial intelligence to get all your messages to you, in the language you prefer. https://pingchat.in
Apr-June 2017	**Extreme Source Code Summarization**
	Explore addition of addition mechanism to existing deep learning techniques to create summaries of large codebases. Implementation of https://arxiv.org/abs/1602.03001
October 2016	**hello friend**
	SMS service utilising natural language processing to bring essential smartphone features to simple feature phones. http://hello-frrriend.herokuapp.com
June 2016	**The MIT Post**
	iOS app for The MIT Post, MIT, Manipal's official media and journalism body.
October 2015	**Echo**
	iOS app to let you listen to music with your friends simultaneously built under the theme of social music. https://github.com/darkarmyIN/Echo

Achievements

- **Winner** - Acceleprise Award, San Francisco, AngelHack Global Demo Day '17
- **Winner** - AngelHack Hyderabad 2017, winner of AWS prize. One of 16 teams from around the world invited to Global Demo Day, Silicon Valley Week, San Francisco 2017
- Adjudged to be in **Top 10 in India** - Microsoft code.fun.do National Showcase 2017
- **3rd place**, Microsoft code.fun.do Hackathon, Manipal 2016

Co-curricular Activities

- Co-founder and Organiser, MUPy, Manipal's Python developers conference, in association with Python Software Foundation
- Speaker, Google Developers Group DevFest Season'17, Manipal
- Speaker, MUPy 2017, Manipal
- Core Committee Member, Linux Users' Group, Manipal
- Vice President, Manipal Information Security Team
- Category Head, App Development, MIT Manipal's annual technical & cultural fests