

EDUCATION

Carnegie Mellon University	Pittsburgh, PA	Fall 2013 – Spring 2015*
<ul style="list-style-type: none">• M.S. (Language Technologies) from School of Computer Science, May 2015*. GPA: 4.0• Graduate Coursework: Machine Learning; Scalable Analytics; Probabilistic Graphical Models; Language & Statistics; Algorithms for NLP; Advanced NLP Seminar, Distributed Systems, Tools for NLP.		
R.V. College of Engineering	Bangalore, India	Fall 2009 – Spring 2013
<ul style="list-style-type: none">• B.Engg. (Computer Science), May 2013. GPA: 4.0		

EXPERIENCE

Research Assistant	Carnegie Mellon University	Sep 2013 – Present
Advisor: Dr. Noah Smith & Dr. Norman Sadeh		
<ul style="list-style-type: none">• Developed a prototype for automatic generation of regex from natural language using semantic parsing for language grounding.• Usable Privacy: Applied Machine Learning/NLP for structure prediction and relevance extraction on privacy policies.• Semi-automatically extract key privacy policy features and present to users in an easy-to-digest format.		
Research Intern	Microsoft Research	Oct 2011 – May 2013
Advisor: Dr. Monojit Choudhury		
<ul style="list-style-type: none">• Designed and developed cognitive crowdsourcing experiments on segmentation of web-search queries.• Designed a new Inter Annotator Agreement metric that reveals annotator biases while filtering out noisy annotations.• Cross Lingual Information Retrieval: Prototype of a song-search system, which could be used to query a multi-lingual corpus.		
Co-Founder & Software Developer	incog.im	August 2012 – May 2013
<ul style="list-style-type: none">• Designed, developed and iteratively deployed a semi-anonymous social network which piggybacks over a larger “friend” network. The product was designed with potential applications in anonymous product/market reviews.		
Software Design Engineer, Intern	Septentrio Satellite Navigation, Belgium	Summer 2011
Mentor: Gustavo Lopez , Software Group Manager		
<ul style="list-style-type: none">• Developed a cross-platform framework & build system for their flagship software service, the post-processing SDK.		

SELECT PROJECTS

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- **Unsupervised Multilingual Event Schema Induction** (2014). Developed a generative Bayesian model to learn a language-independent event schema representation on different languages, utilizing perspectives brought in by the differences across language, while preserving the semantics.
 - **Audio Event Detection** (2013). Restricted Boltzmann Machines were used for unsupervised feature extraction from raw data. Compared & reported the performance of different classifiers on the classification task.
 - **Home Automation System** (2012). Developed a low cost, scalable home automation system, later taken over for commercialization by the seed investor. The system was built to be retrofitted into existing homes.
 - **Android Apps**. Developed both bespoke and generic apps with over 200,000 downloads on *Google Play*. See [eduPort](#) on *Play*

SELECT CLASS PROJECTS

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- **Distributed Systems**: Built a framework for migratable processes, RMI/IPC facility
 - **Netflix Recommendation**: Designed memory & model-based collaborative filtering methods to predict the ratings of new movies
 - **Machine Learning**: Classification of insects (based on the sounds they make), Spam vs. Ham, Matrix Factorization techniques

LANGUAGES AND TECHNOLOGIES

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- Python; Django; Java ; JavaScript; C; C++; Lucene; Matlab; SQL; R

SELECT PUBLICATIONS

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- [Unsupervised Alignment of Privacy Policies using Hidden Markov Models](#). Rohan Ramanath, Fei Liu, Norman Sadeh, and Noah A. Smith. Proceedings of the *Association for Computational Linguistics (ACL)*, Baltimore, MD, June 2014
 - [Crowd Prefers the Middle Path: A New IAA Metric for Crowdsourcing Reveals Turker Biases in Query Segmentation](#). Rohan Ramanath, Monojit Choudhury, Kalika Bali and Rishiraj Saha Roy. Proceedings of the *ACL 2013*, Sofia, Bulgaria.

NOTABLE MENTION

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- **Cognizant Best Outgoing Student**: Awarded to 1 student from a graduating batch of 1000. Also awarded the **Alumni Gold Medal**.
 - **Infineon Scholar**: Awarded by [Infineon](#), a German semi-conductor manufacturer to students in the top 1 percentile of the batch.
 - **Director for International Services, Interact Club**: Held position of office for a year to serve a unit of Rotary Bangalore
 - **Indian National Roller Skating Champion**: Won the Gold medal at the 2009 national championship.
 - **World Speed Skating Championship**: Represented Team India at Cali, Colombia. Also, finished 16th at **Belgian Grand Prix** (2011)