

Rohit Dholakia

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Education

- 2012- **MSc, Computer Science**, *Simon Fraser University*, Burnaby.
Canada
- Advisor: Dr. Anoop Sarkar
- 2006-2010 **Bachelors in Technology, Computer Science**, *SASTRA University*, Thanjavur.
India
- GPA: 7.98/10.0
- 2004-2006 **Intermediate, Maths, Physics and Chemistry**, *Vignan Intermediate College*,
Hyderabad.
India
- Percentage: 96.4/100

Experience

- September 2012- **Research Assistant**, *Natural Language Laboratory*, Simon Fraser University,
Burnaby.
Working on Machine Translation for low-resource languages. Using Haitian-Creole as a low-resource language and experimenting with various approaches.
- July, 2011 - **Software Developer**, *MoveInSync Technologies Pvt Ltd*, Hyderabad, India.
- June, 2012
- Made end-to-end automated test framework which was used for nightly builds and testing.
 - Wrote a Java application to simulate 1000s of devices and enable load testing of each stage of the company product.
- July, 2010 - **Project Associate**, *Search and Information Extraction Lab (SIEL)*, International
May, 2011 Institute of Information Technology, Hyderabad.
Working under the supervision of Professor Vasudeva Varma, led a Nokia-funded project to make an application on Nokia N900 MeeGo platform to enable Short Message in 6 major Indian languages. The environment was heavily resource-constrained, with only 128 GB of RAM and limited storage memory. Using state-of-the-art Conditional Random fields (CRF), we achieved more than 85% accuracy in all languages and kept the sizes within limit. Also was responsible for the end-to-end transliteration as a module for a cross-lingual search engine. Improved the accuracies for all languages from the low 50s to more than 75% for all the languages.
As a hobby project, worked with a very large twitter dataset (> 400 million tweets) on a machine with 2 GB RAM to profile what users tweet about.

Technical Experience

Have Experience With

languages Java, C, Python
technologies Eclipse, Apache, Ubuntu Linux, Moses

Relevant Coursework

Simon Fraser University, Burnaby

Computer Science Algorithms, Natural Language Processing, Big Data Mining, Multi-core Systems

SASTRA University, Thanjavur

Computer Science Operating Systems, Computer Architecture, Networks, Compilers, Algorithms, Cryptography