

Sourish Chaudhuri

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Education

MS in Language Technologies, School of Computer Science, Carnegie Mellon University, Pittsburgh	July, 2007 – May, 2009	3.78/4.0
B.Tech. (Hons.) in Computer Science & Engineering, Indian Institute of Technology, Kharagpur, India	July, 2003 – May, 2007	8.36/10.0

Research Experience/Projects

- At **i-Lab**, CMU (summer, 2009), with **Prof. Ramayya Krishnan** on the design of personalized recommender systems for blogs. It seeks to improve the simple collaborative filtering based recommendations with the user's background information and also tries to model user preference that is implicitly expressed through his reading behavior.
- Worked as a Research Assistant with Carolyn P. Rosé, on a number of projects including:
 - **SIDE** (<http://www.cs.cmu.edu/~cprose/SIDE.html>)– *Summarization Integrated Development Environment*, that delivers summaries tailored to the needs of the user, personalizing contents of the summary based on user needs.
 - **TagHelper** (<http://www.cs.cmu.edu/~cprose/TagHelper.html>)
 - **Collaborative Learning Environments** – I helped design automatic agents that helped students learn better in collaborative settings
- Worked with **Prof. Noah A. Smith** and **Prof. Carolyn P. Rosé** on improving models for sentence compression- given a sentence, the system generates a shorter, grammatical sentence that contains the salient information within the sentence. Potential applications include summarization, snippet generation for retrieval systems, language generation.
- Worked under the guidance of **Prof. Anupam Basu** and **Prof. Sudeshna Sarkar** on **Transliteration from non-standard phonetic Bengali to standard Bengali**. Potential applications include making natural language text or even SMS/chat text in Indian languages comprehensible which could be used by recommender systems and translation systems.
- Worked with Jose P. Gonzalez, Aabid Shariff and Prof. Carolyn P. Rosé on the APEX project that was one of the semi-finalists of the Elsevier Grand Challenge (<http://www.elsevierlifesciencechallenge.com/team7.html>), in which we sought to automate the generation of life science protocols.
- At **Telecommunications Software and Multimedia Laboratory**, Helsinki University of Technology with **Prof. Antti yla-Jaaski** from May-mid July, 2006. I worked on the Trustworthy Internet project and designed and implemented verification schemes for security protocol to eliminate Man-in-The-Middle attacks.

Selected Publications (Full list at www.cs.cmu.edu/~schaudhu/publications.html)

- Sourish Chaudhuri, Naman K. Gupta, Noah A. Smith, Carolyn P. Rosé. **Leveraging Structural Relations for Fluent Compressions at Multiple Compression Rates.** *In Proc. of the Association for Computational Linguistics (ACL-IJCNLP) (Companion volume), 2009.*
- Sourish Chaudhuri, Rohit Kumar, Iris Howley and Carolyn P. Rosé. **Engaging Collaborative Learners with Helping Agents.** *In Proc. of Artificial Intelligence in Education (AIED), 2009.*
- Naman K. Gupta, Sourish Chaudhuri and Carolyn P. Rosé. **Evaluating the Syntactic Transformations in Gold Standard Corpora for Statistical Sentence Compression.** *In the short paper track of the Human Language Technologies- North American Association for Computational Linguistics conference (HLT-NAACL), 2009.*
- Moonyoung Kang, Sourish Chaudhuri, Mahesh Joshi, Carolyn P. Rosé. **SIDE: The Summarization Integrated Development Environment.** *In the Demonstrations Program of the Association for Computational Linguistics conference (ACL): Human Language Technologies (HLT) conference, 2008.*
- Sourish Chaudhuri, Rohit Kumar, Mahesh Joshi, Elon Terrell, Fred Higgs, Vincent Alevan, Carolyn P. Rosé. **It's Not Easy Being Green: Supporting Collaborative "Green Design" Learning.** *In the 9th International Conference on Intelligent Tutoring Systems (ITS), 2008.*
- Sourish Chaudhuri. **Transliteration from Non-Standard Phonetic Bengali to Standard Bengali.** *Language, Artificial Intelligence and Computer Science for Natural Language Processing (LAICS-NLP) workshop, 2006.*

Teaching Experience

- **Carnegie Mellon University, Fall 2008-** I was the Teaching Assistant for the undergraduate course **Technology and Global Development (15-502)** co-instructed by **Profs. Jay Aronson, Joe Mertz and Rahul Tongia.**

Other Activities

- Student Representative for the MS class of 2009, Language Technologies Institute, CMU, 2008-09
- Student organizer of the Student Research Symposium, LTI, CMU, 2009
- Editor of the English Section, Alankar- annual magazine of the Indian Institute of Technology, Kharagpur, 2005-06
- Sports- Volleyball, lawn tennis.