

Shibamouli Lahiri

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University Park, PA 16802
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Objective To pursue teaching and research in Computer Science so that I can employ my skills and understanding in solving practical problems.

Broad Interests Style-based Text Analysis, Machine Learning and Data Mining.

Working On

- **Designing a Formality Score at Sentence Level**
– Collaborator: Dr Xiaofei Lu
- **Designing a Human Computation Game (GWAP) for Sentence Tagging**

Publications

- **Shibamouli Lahiri**, Xiaofei Lu, *Inter-rater Agreement on Sentence Formality*, ArXiv e-print (2011).
- **Shibamouli Lahiri**, Juan Pablo Fernández Ramírez, Shikha Nangia, Prasenjit Mitra, C. Lee Giles, Karl T. Mueller, *ChemXSeer Digital Library Gaussian Search*, ArXiv e-print (2011).
- **Shibamouli Lahiri**, Prasenjit Mitra, Xiaofei Lu, *Informality Judgment at Sentence Level and Experiments with F-score*, CICLING 2011.
- Sumit Bhatia, **Shibamouli Lahiri**, Prasenjit Mitra, *Generating Synopses For Document-element Search*, CIKM 2009.

Education

- **Master of Engineering** Fall 2008 - Summer 2012
Department of Computer Science and Engineering
(Graduate minor in Computational Science)
The Pennsylvania State University
GPA: 3.24/4.0
- **Bachelor of Engineering** Fall 2004 - Spring 2008
Department of Computer Science and Engineering
Jadavpur University, Kolkata, India
GPA: 8.83/10
Class Rank: 7th (First Class Honors)

Summer Internship

- Summer Intern**, NEC Labs, Princeton, NJ Summer 2011
 - Project: Multiple-choice Question Answering
 - Mentors: Dr Christopher Malon, Dr Bing Bai
- Summer Intern**, IBM India Research Lab, Delhi, India Summer 2010
 - Project: Topic Modeling of Call Center Chats
 - Mentor: Sachindra Joshi
 - Collaborators: Avinava Dubey, Dr Shantanu Godbole

Research Assistantship	<p>Research Assistant, Architectural Engineering, Penn State Spring 2012</p> <ul style="list-style-type: none"> • Project: DAYSIM (Java programming) • Supervisor: Dr Richard Mistrick <p>Research Assistant, Political Science, Penn State Fall 2011</p> <ul style="list-style-type: none"> • Project: Political opinion extraction from parliamentary speeches • Supervisor: Dr Burt Monroe <p>Research Assistant, College of IST, Penn State Spring 2011, Spring-Fall 2010</p> <ul style="list-style-type: none"> • Project: Cypriot Digital Antiquities Repository (A digital library of Ancient Greek manuscripts collected from Cyprus) • Advisor: Dr Prasenjit Mitra • Collaborators: Dr Zoe Stamatopoulou, Partha Mukherjee <p>Research Assistant, College of IST, Penn State Fall 2009</p> <ul style="list-style-type: none"> • Project: ChemXSeer Gaussian Search • Advisor: Dr Prasenjit Mitra • Collaborator: Dr Shikha Nangia <p>Research Assistant, Deptt of CSE, Jadavpur University Spring 2008, Fall 2007</p> <ul style="list-style-type: none"> • Project: Cross-lingual (Bengali <-> English) and monolingual information extraction • Advisor: Prof Sivaji Bandyopadhyay
Teaching Assistantship	<p>Teaching Assistant, College of IST, Penn State Spring 2009</p> <ul style="list-style-type: none"> • Course: IST 451 (Computer Security) • Instructor: Dr Sencun Zhu <p>Teaching Assistant, College of IST, Penn State Fall 2008</p> <ul style="list-style-type: none"> • Course: IST 220 (Computer Networks) • Instructor: Dr Prasenjit Mitra
Mentoring	Shanta Phani, Ph.D. candidate at Bengal Engineering and Science University
Guest Lecture	<p>APLNG 578 Corpus Analysis (graduate course) Spring 2011</p> <ul style="list-style-type: none"> • Inter-rater Agreement on Sentence Formality
Book Editor	Network and Application Security: Fundamentals and Practices <i>by Debashis Ganguly (Science Publishers, Enfield, New Hampshire)</i>
Reviewer	<ol style="list-style-type: none"> 1. Conferences - <i>AAAI, CIKM, EDBT, ICDM, SIGMOD</i> 2. Journal - <i>Computational Linguistics</i>
Academic Honors	<p>All India Rank 130 in GATE (Graduate Aptitude Test in Engineering)</p> <p>All India Rank 10 in ICFAI Entrance Exam</p> <p>WBJEE Rank 89 in Engineering, 6 in Medical</p> <p>GRE English 750, Math 800</p>

Courses Taken	CSE 511 (Operating System Design) CSE 520 (Science of Computer Programming) CSE 530 (Fundamentals of Computer Architecture) CSE 550 (Numerical Linear Algebra) CSE 555 (Numerical Optimization Techniques) CSE 565 (Algorithm Design and Analysis) CSE 583 (Pattern Recognition) CSE 597A (Learning Theory) CSE 598A (Machine Learning) CSE 598D (Bioinformatics II) CSE 598F (Probability and Limit Theorems) STAT 463 (Applied Time Series Analysis) STAT 500 (Applied Statistics) STAT 501 (Regression Methods) STAT 505 (Applied Multivariate Statistical Analysis) STAT 506 (Sampling Theory and Methods) STAT 557 (Data Mining I) IST 441 (Information Retrieval and Search Engines) IST 597B (Analysis and Design of Serious Games) APLNG 578 (Computational and Statistical Methods for Corpus Analysis) PHYS 580 (Elements of Network Science and Its Applications)	
Participated In	<ol style="list-style-type: none"> Penn State College of Engineering Research Symposium (CERS 2011) Kaggle Chess Ratings Contest <ul style="list-style-type: none"> Mentor: Dr Dan Kifer Collaborators: Jingchen Liu, Mu Qiao, Pradeep Teregowda 	Spring 2011 Fall 2010
Copyright	Shibulipi, a constructed writing system for Indic Languages. Copyright Registration Number: TXU001685803	
Computer Skills	Languages: C++, Java Scripting: Shell Script, Awk, Perl, Python, Lua Web Design: HTML, Javascript, JSP Packages: MATLAB, Minitab, SPSS, R Software: Subversion, SVMLight, CRFTagger, Language-Tool, Mallet, Apache Solr, Indri	
Crowdsourcing	Amazon Mechanical Turk job requester	
References	Provided on request	
Last Updated	May 25, 2012	