

Namrata Lele

316 E.University Street, Apt #5, Bloomington, IN 47401 | Phone: 650-224-6765 | <http://www.cs.indiana.edu/~nlele/>
nlele@indiana.edu

OBJECTIVE

Seeking a full-time position which would employ my technical and problem solving skills.

EDUCATION

- **Indiana University** **August 2008 – May 2010**
Master's candidate in Computer Science GPA : 3.46
- **College of Engineering Pune, University of Pune, India** **May 2006**
Bachelor of Engineering (Computer Engineering) First Class Honors
- **Sri Savitribai Phule Polytechnic, Pune, Bombay Technical Education** **June 2003**
Diploma in Computer Engineering Distinction Honors

WORK EXPERIENCE

Summer of Code (Vocabulary Term Mapping) **May 2009- August 2009**

- Implemented a [tool](#) in Java, which provides considerable assistance in mapping semantically similar terms between metadata, and thus semantically similar or equivalent content in data sets.

Research Assistant (Advisor: [Dr. Filippo Menczer](#), Indiana University, Bloomington) **October 2008 –May 2009**

- [Sixearch.org](#) is a peer to peer application written in Java for social, distributed, adaptive Web search.

IBM India Software Labs, Systems Software Engineer **July 2006–June 2008**

- Worked as a Software developer for the fix pack releases of Lotus Smart Suite.
- Incorporated Java based IBM Linguistic tools dictionary into Lotus Smart Suite applications (C/C++ based).
- Contributed to tech vitality by implementing a plug-in (Eclipse) for Sametime Client which would recall previously typed text messages and display them intelligently. Also submitted innovative ideas at hack days and forums.

Tata Research Development and Design Centre, Pune, India (TRDDC), Intern **June 2005–June 2006**

- **Private Information Retrieval** (Advisor: [Dr. Sachin Lodha](#)): Built a system that ensured user privacy by preventing profile building. The project was packaged as a web-based application coded in Java and JSP prototyped for Stock Exchange.

TECHNICAL SKILLS (* - Beginner)

- **Languages:** C, C++ *, Java, Visual Basic, PL/SQL* ,UML,XUL*,HTML,JSP*,XML, XQuery, XPath
- **Databases:** Oracle9i, MySQL, MS Access
- **Tools:** Eclipse ,Apache Tomcat, jetty, Visual Studio, Dreamweaver, lucene
- **Platforms:** Windows, Linux
- **Sun Certified Java Programmer 1.4**

RELEVANT COURSE WORK

Graduate Coursework: Computer Networks, Advanced Database Concepts, Data and Search Informatics, Database Systems and Internal Design, Parallel Architectures and Programming, Advanced Operating Systems, Semantic Web
Undergraduate Coursework: Data Structures, Design and Analysis of Algorithms

PROJECTS

Fall 2008 - Fall 2009

- Developed system calls, threads, processes, scheduler, synchronization, virtual memory, file system, etc for OS161
- [XQGen -XML Query Generator](#) (Advisor: [Dr.Yuqing Melanie Wu](#)) : Designed and developed a stand- alone algebra based XPath query generator in Java.
- Implemented simple pipeline simulator for MIPS and simulator for dynamic scheduling using Tomasulo's approach.
- Implemented a simulator for Tomasulo's architecture in the context of multi processors (Thread Level Parallelism) which simulated cache-coherent shared memory multiprocessor with uniform memory access.
- Implemented Public trace route servers, Wiretap – Network protocol analyzer, Reliable UDP (Provide reliability, congestion control, flow control over UDP), Bare Bone TLS (Using Botan library created a secure file transfer application)

PUBLICATIONS

- [Sixearch.org 2.0 Peer Application for Collaborative Web Search](#) - [Hypertext2009 20th ACM Conference](#)
- [XQGen an Algebra based Xpath Query Generator for Micro-benchmarking- CIKM](#) (18th ACM Conference on Information and Knowledge Management – to appear)

ACHIEVEMENTS

- Won honor award for [XQGen - XML Query Generator](#) at [School of Informatics Graduate Student Poster Session 09](#)
- Ranked 2nd in Maharashtra State for Diploma in Computer Engineering exam.
- Won 1st prize for Private information Retrieval project at Impetus and Concepts 2006 – National Level Symposium