

RUCHICA BEHL

2624 Whitis Avenue, Duren Hall#4223, Austin TX 78705

ruchicabehl@mail.utexas.edu

(512) 796-7418

EDUCATION

The University of Texas at Austin

Dec 2008

Master of Science, Computer Science

Activities: Association of Computing Machinery (ACM), Women in Computer Science (WICS)

Guru Gobind Singh Indraprastha University, New Delhi, India

Jun 2005

Bachelor of Technology, Information Technology

Honors: Ranked 1st out of 150 students in the graduating Bachelor's class of Guru Tegh Bahadur Institute of Technology, New Delhi, India

SKILLS

Languages

C, C++, Java, Perl, VC++, Visual Basic, Lisp, Prolog, HTML, SQL

Operating Systems

UNIX, Linux, Windows 98/2000/XP/Vista

Other

MATLAB, AutoCAD, JavaScript, J2EE, IBM WebSphere Portal Server, IBM WebSphere Application Server, Lotus Domino Server, Apache Tomcat Server

PROFESSIONAL EXPERIENCE

Amazon.com, Seattle, WA, *Software Development Intern*

May 2008 – Aug 2008

- Implemented US election 2008 Heat Map based on the number of republican or democrat books sold in each state, which can be viewed at <http://www.amazon.com/election2008>
- Examined various political books sold by Amazon.com and mined books to be used for the Heat Map based on their sale numbers
- Wrote an algorithm for finding the uniquely bestselling political book in each state

Computer Sciences Department, UT Austin, *Teaching Assistant*

Sep 2007 – May 2008

- Led Discussion Sessions and review groups for Foundation to Computer Science and Algorithms and Data Structures
- Prepared lesson plans for Algorithms and Data Structures

Tata Consultancy Services, Gurgaon, India, *Development Intern*

Jul 2007 – Aug 2007

- Implemented the Credit Card Issuance System for Standard Chartered Bank in J2EE

Texas Advanced Computing Center, Austin, TX, *Teaching Assistant*

Jan 2007 – May 2007

- Assisted the professor in designing homework assignments, quizzes and exam paper

Tech Mahindra Limited, Noida, India, *Technical Associate*

Jul 2005 – Dec 2006

Uttar Pradesh Irrigation Department Project

- Prepared the design specifications document for Flood Control module
- Designed the User Interface for Flood Control and Human Resources Module
- Designed and implemented the portal using IBM WebSphere Portal Server

Binary Semantics Private Ltd., Gurgaon, India, *Development Intern*

Jun 2004 – Aug 2004

- Implemented Resume Grabber used for efficiently accessing, storing and then searching for relevant details from Resume

PROJECTS

- Developed Phonic Response System for recognizing/processing spoken commands using C, parallel port programming and MATLAB
- Implemented a new security protocol- Transport Login Protocol (TLP) using J2EE technologies
- Worked on Orchestration of a subset of Disaster Management System
- Programmed simulation of sustenance and reproduction of various life forms using C++ and OpenGL
- Rendered a 3D graphical scene of earth using Ray Tracing, OpenGL