SUMEDHA GANJOO

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OBJECTIVE

To obtain an internship for Summer 2009 utilizing my knowledge in computer science, innovative thinking and analytical abilities.

EDUCATION

Master of Computer Science	*Expected May 2010*
The University of Georgia, Athens, GA, USA	*GPA: 4.0 / 4.0*
Bachelor of Technology in Computer Science	May 2008
Government College Of Engineering, Pune, India	*First Division*

Courses

Advanced Database Systems, Data Structures, Operating Systems, Algorithms, Computer Networks, Computer Architecture.

RELEVANT EXPERIENCE

Department of Computer Science	UGA, Athens, GA
Graduate Research Assistant	Jan 2008 – Present

Content Repository and Web Services for GlycoVault
- Used Apache Jackrabbit with MySQL and Java to implement a content repository to support research at Complex Carbohydrate Research Center.
- Worked in a team to develop Java API.
- Research in Web Services.
- Currently writing a new BCNF Database decomposition algorithm.

Graduate Research Assistant	Aug 2008 – Dec 2008

Brain Image Processing Research
- Collected information about the working of EEGs and the problems faced in the process.
- Communicated and discussed related issues with students from Bio-Imaging lab and studied basic FMRI.

TECHNICAL SKILLS

Strong conceptual knowledge like data structures and algorithms.
Programming languages: *C, C ++*, Java, Groovy, Python.
Databases: My*SQL, Oracle , MSAccess ,* Apache Jackrabbit Content Repository**.**
Web Technologies: *HTML, JSP, JavaScript, CSS*

ACADEMIC PROJECTS

Pseudo - Database Management System	UGA, Athens, GA
Course: Database Systems	August 2008 - December 2008

- Implemented the relational operators Select, Project, Union, Minus and Join - Nested Loop, Hash, Indexed and Sort-Merge Joins, on tables stored in main memory using Java.
- Competitive performance of our database system found when compared to the existing standard database systems.

Movie Cataloging Web Application	UGA, Athens, GA
Course: Database Systems	October 2008 - December 2008

- Successfully implemented the client-side using JSP and JavaScript.
- Features available were movie adding, deleting, editing and search by actors or language or director.

Image Spam Detection	COEP, Pune, India
Sponsored By Symantec	Sep 2007 - May 2008

- Team Leader of the project to implement an artificial neural network, using JOONE, which classified images as spam or non-spam.
- Successfully implemented Canny Edge Detection in C++.

CAMPUS AND COMMUNITY INVOLVEMENT

Tuition Waiver and assistantship at UGA : Award	August 2008 - Present
Association for Computing Machinery: Member	August 2008 - Present
Center of Innovation and Entrepreneurship Development (C.I.E.D.) at undergraduate college: One of the Founding members	Jan 2007 - Jan 2008
Pankhudi – a NGO: Member; Volunteer to teach under-privileged kids.	Jan 2007 - Jan 2008
Debate Group at undergraduate college: Organizer inter-college debates and active participant.	August 2006 - May 2007
Student Body high school: Co-president	August 2003 - May 2004
Indian Model United Nations(INMUN), Delhi, India: Attended and won Best-Made Country Profile.	August 2003