

# ADITYA SAKHUJA

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## OBJECTIVE

A challenging full time opportunity in Computer Science domain. Special interests include innovative online enabled apps, web technologies, data processing, high performance computing, optimizations and enterprise solutions

## EDUCATION

M.S. CS, Georgia Institute of Technology, USA

Aug 2007 to August 2008

(GPA 3.63)

B.E. Computer Engineering, Pune University, INDIA

July 2004 to July 2007

(71.60 %, ~GPA 3.8)

Diploma Computer Engineering, MSBTE, Mumbai, INDIA

May 2000 to May 2004

(73.40 %, ~GPA 3.7)

## PROJECTS

### Yahoo! Inc., YST (Yahoo Search Technology )

May – Aug 2008

- **Analyzed** and **identified** performance bottlenecks in the P2P system used by Yahoo! For distribution of data amongst its data centers. Improvements anticipated bringing more than **4X** performance gain in the production setup.

### Georgia Institute of Technology, Atlanta, GA, USA

Jan - May 2008

- **Designed** and **developed** Buffer manager, Indexing module, Transaction log management module and a set of SQL queries of a DBMS.
- **Analyzed, designed** and **implemented** Auto-Itinerary planner in a team of 4.

### Georgia Institute of Technology, Atlanta, GA, USA

Aug – Dec 2007

- Research work under Prof. Sham Navathe for **Automation of the Schema Matching** process
- **Improved Image Search** through classification and relevance feedback - *Web Searching & Text Mining*
- **Context based Author Ranker & Recommender System** - *Emerging Database Technologies*

### Persistent Systems Private Ltd. Pune, INDIA (B.E. Final year Project)

Aug 2006 – Jun 2007

- **Clinical Data Connector for Informatica's ETL Tool – PowerCenter**  
**Developed** and partially **designed** a Clinical Data Connector. The Connector is responsible for extracting clinical unstructured data from public databases, processing it, cleansing it, transforming it and present it to the underlying ETL Tool. The key challenge was the schema generation for the data sources.

### B.E. Computer Engineering, Pune University

- Mail Auto Classifier - Analysis & Design

Aug – Oct 2006

- Designed/Developed a technical discussion forum

Apr – May 2006

## RELEVANT COURSES

High Performance Parallel Computing, Advanced Operating Systems, Web Searching and Text Mining, Database Systems Implementation, Database Technologies, Data Communications Lab

## INDUSTRIAL TRAINING/ WORK EXPERIENCE

### Teaching Assistant/Grader: Databases Systems, Georgia Institute of Technology

Jan – May 2008

Responsible for

- Assisting the students with the course exams and projects
- Grading the student performance

**L&T InfoTech Limited. , Networking & IT Security, Mumbai, INDIA**

Nov 2003 – May 2004

- Project - Secured file management system

**Larsen & Toubro Limited, HED-IT, Mumbai, INDIA**

June 2002 – Dec 2002

- Projects - Workflow Applications on Lotus Notes

## **TECHNICAL SKILLS**

### **Programming Languages Technologies**

C, C++, Java, python (preliminary) .NET framework (C#)  
PHP, ASP 3.0, Shell, JavaScript, VBScript, XML, Flex2, Apache, Ajax,  
Swing, Servlets, JSP, RMI, JNI, PL/SQL, WSH, Macros

### **RDBMS Operating Systems ETL**

Oracle 9i, MySQL, SQL Server, MS Access  
Mac OS X 10.4, Linux (RHEL 4, Ubuntu), Windows  
Informatica PowerCenter

### **Network Analysis tools Software Engineering tools**

Ethereal  
Rational Rose, VPSuite

## **AWARDS & ACTIVITIES**

**TRDDC** (Tata Research Design and Development Center) Special Award, Project Exhibition – 2007

**CoCurricular Excellence Award** – 4th year B.E. in Computer Engineering, 2007

**Academic Excellence Award** - 2nd year B.E. in Computer Engineering, **3rd rank** – 2005

Bharatiyam '06 – C++ programming contest, Finalist – 2006

Osiris '06 - Java programming contest, Finalist - 2006

Techtalk '05 - Robotics National level Competition, 4th Position – 2005

Student Incharge – Undergrads Computer Engineering, WiFi network – 2007

## **REFERENCES**

Available on request