

RAGHAVAN R
M.E.
Department of Computer Science and Automation
Indian Institute of Science
Bangalore

Objective:

A position as Software Engineer in your organization where I can put to use my knowledge in various areas of computer science and develop new algorithms and implement them for use in your organization.

Education:

Institution/Board	Degree/ Exam	Year	Specialization	GPA/ %
Indian Institute of Science, Bangalore	M.E	2003 -	Computer Science and Engineering	6.8/8.0
REC, Trichy	B.E	1999 - 2003	Computer Science and Engineering	9.0/10.0
Tamil Nadu State Board	TNHSE	1998 – 1999	Computer Science	96.8
CBSE	AISSE	1996 – 1997	-	86.6

Projects at IISc:

Main Project:

Title: Use of Bit-vector data structures in **Instruction Scheduling** for VLIW architectures and in **Regression Testing**.

Guide: Prof. Priti Shankar

Course Projects:

- Designed and implemented the backend of a **Compiler for COOL**, Classroom Object Oriented Language, as part of the Compiler Design course in IISc.
- Designed and implemented a **Mini Relational Database System** as part of the Database Management Systems course in IISc.
- Designed and implemented **EBIZX** (Electronic Business Exchange), having GVA forward auction and Combinatorial auction using Linear Programming for allocation, including Secure Electronic Transaction (SET) as part of Electronic Commerce course.
- Designed and implemented a **mini RTOS** and a **RAM file system** for the MPC860 processor, which includes a preemptive priority scheduler with support for semaphores as part of Embedded Systems Design course.
- Implemented data mining tools, which does association rule generation using **FPTree** and **Apriori** algorithm and feature selection and classification using **Random Forests** and **Adaboost** algorithm as part of Data Mining course.

Projects as part of B.E.:

- Implemented the **Real-Time Transport Protocol** for the transmission of voice over networks.
- Designed and built a **Data Warehouse** in Microsoft SQL Server 2000 for medical data at National Informatics Centre, Chennai.

Computer Skill Set:

- **Languages:** C, C++, Java, Pascal, Lisp
- **Operating Systems:** Linux, DOS, Windows, Netware
- **Database:** Oracle, Microsoft SQL Server 2000, MySQL
- **Web Technologies & Scripts :** HTML, Perl, Unix Shell Script

Courses taken at IISc as part of M.E. Degree requirement:

1. Computer Architecture
2. Database Management Systems
3. Performance Modelling
4. Formal Methods
5. Compiler Design
6. Computer Graphics
7. Design and Analysis of Algorithms
8. Electronic Commerce
9. Data Mining
10. Embedded Systems Design - II
11. Communication Skills for Managers

Academic Achievements & Awards:

- Secured **AIR – 20** (All India Rank) in **GATE 2003**.
- Secured **34th rank** in **TNPCEE 1999**, Tamil Nadu Professional Courses Entrance Examination.
- Secured **1st rank** in school in Higher Secondary Examination.
- Ranked among top **0.1%** in Mathematics in 10th Standard CBSE Examination and received Merit Scholarship for the same.

Extra Curricular Activities:

- Functioned as overall coordinator for **Showcase 2005**, an annual technical adventure conducted by the Computer Science and Automation department at the Indian Institute of Science, Bangalore.
- Worked as organizing committee member of **Vortex 2002 & Vortex 2003**, a National level technical symposium, organized by the students of the department of Computer Science and Engineering at the Regional Engineering College, Trichy.
- Represented **REC and IISc cricket team**.
- Participated actively in social service programmes conducted by the NSS.

Personal Information:

Father's Name	:	Raman T. S.
Nationality	:	Indian
Date of Birth	:	14 th June 1982
Languages known	:	English, Tamil, Hindi
Temporary Address	:	2 G 77, New Block, IISc Hostels, IISc, Bangalore – 560 012
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