Varun Soundararajan

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Objective	Seeking a career in software design and development that would utilize and enhance my skills
Education	**B.E** (Bachelor of Engineering) in **Computer Science and Engineering**, MIT Campus, Anna university. (2002 -2006) Cumulative Grade Point Average(CGPA): **9.3** / 10 (department topper) **Schooling: Higher Secondary:** St. Joseph's Matriculation Higher Secondary School, Hosur Percentage: **96.17**% (April 2002)
Languages	C, C++, Java, Perl, Python, PHP, C#, Assembly (80x86), MySQL-Database, AJAX, Action Script.
Platforms	Unix, Windows (9x, 2000, XP), MS-DOS
Areas of Interest	Information retrieval (Personal Search Engine) , Web Search, System Application Development, Database.
Publication	"Semantic-based Grid Resource Discovery and its Integration with the Grid Service Broker" at ADCOM 2006, an International IEEE Conference to be presented Dec 20-23, 2006.
Research Experience	Summer internship at **"AU-KBC" Research Centre**, *MIT Campus*, Anna University, Chennai-44. Worked under *Dr. Gurumurthy V. Ramanan*. Implemented *Latent Semantic Indexing*, a pattern classifier based personal search engine.
Work Experience	Working as Software Engineer at Cisco Systems, Bangalore since July 2006. I work on a Network Management Product for VOIP Phones named Cisco Unified Operations Manager. Owned the module that shows service level view of the VOIP Network using Actionscript and AJAX. I was doing *freelance programming* through bidding at rentacoder.com website. I completed about 10 projects and earned a reasonable amount ($1500+). By working in these projects, I interacted with clients directly, doing the requirements gathering, analysis, design and implementation. I leveraged the *Indian Advantage Model* of doing the best quality work at the most competitive price **globally**. I was ranked **96.81%** higher than other peers. *Testimonials by Customers:* **Great coder - fast and responsive. Great communication and the script did exactly what I wanted!** - *Bootstrapper, Verified RentaCoder.com buyer.* **Fast, responsive service, excellent communication skills and an outstanding final product. A great experience and will definitely use again!.** - *Mr. Mitch Smith, American hedge fund manager.*

Selected Projects

Latent Semantic Indexing (LSI): LSI clusters related documents even though the words don't appear in the documents. Implemented an English language parser, stemming, pattern classification of the data and data visualization with word plotting, document plotting and projection of data in reduced dimensions. *Platform*: Linux *Language*: C++ *Front-end*: Qt *Team Members*: 2 (**Research Project**)

Attendance System: Implemented Intranet messaging, Login and Logout timings, Employee profile, subordinate profile and attendance view, provision for late reasoning, absence, searching the profile based on name, designation, etc. Implemented as a part of *Microsoft .NET Tech Camp*
Platform: Windows *Language*: ASP. NET(C#) & SQL Server *Team Members* : 4

Semantic Discovery of Grid Resources using Resource Template: Implemented a semantic search system to describe and query Grid Resources using adaptable ontology template. **Final Year Project – Received Best Project Award at College**.
Platform: Linux Language: Python & Java Members:3

Basic Interpreter: Implemented a parser to read BASIC statements as a part of Data Structures Lab. A subset of BASIC commands was implemented, with at least one statement from each type. Error handling capabilities were added and implicit execution stack was implemented.
Platform: DOS *Language*: C *Team Members*: 1

Chennai Telephones database: Search based on several criteria was made available to mine the database (contained 1 million entries) effectively. Implementation was extended to a replicated database system, where several systems held read-only copies of the data and query results were returned based on tracker's guidance to the user. The tracker performed load-balancing.
Platform: Windows *Language*: VB *Team Members* : 2

Program Evaluation System: Done as a part of Samhita's International Online Programming Contest. Designed the website with dynamic content to allow the contestants to submit code, obtain result from the judges. Implemented a desktop alert system to notify the judges of new submissions.
Platform: Linux *Language*: PHP with MySQL DB *Team Member*: 1

Serial Communication drivers for Casio PDA: communicated with a Casio Cassiopeia PV400 plus PDA in asynchronous mode with proper reply command. However, not all features were implemented. Done as a part of System Software Lab.
Platform: Linux *Language*: C and Python *Team Members*: 2

Assignment Submission System: Implemented a system for receiving and grading assignments. Allowed user logins to submit the assignment codes (with facility to compile the code before submission). Allowed the admin login to compile and grade the submitted C++ codes. Done to help the Professor evaluate assignment scripts.
Platform: Linux *Language*: PERL *Team Members*: 1

Honors	- First prize at a "state-level quiz" at school level. **Received award and Gold Medal from His Excellency, Governor of Tamil Nadu for being department topper in CSE 2002-2006 batch.** **Secured First in University - common 1st semester securing a GPA of 9.92.** **Received Best Project Award for Computer Science Stream at College for the Final Year Project.** **Received CAP Award at Cisco for Excellent performance in the team in the release of CUOM 2.0.** - Second prize in debugging at "ABACUS" held at College of Engineering, Guindy. - First prize in Debugging at Electrofocus, Dept of Electronics, MIT. - First prize at "Web Weave" – a website designing contest - Assistant School Pupil Leader during school days. - First in TechQuiz conducted in JetSonic by Jeppiaar Engineering College.
References	Available upon request.