

### Objective

To obtain a challenging position as a Programmer/Engineer, where I can utilize my software, technical and communication skills.

### Skills

Languages:	<b>Java, C, C++, SQL, Squeak Smalltalk, Basic, Pascal, Cobol, Perl, Assembly Language (i8085, i8086).</b>
GUI/Scripting:	<b>Visual C++, Visual Basic 6.0, JavaScript, HTML, DHTML, XSL, WML.</b>
Databases:	<b>Oracle, Oracle Spatial, MySQL, MS Access.</b>
Operating Systems:	<b>MS Windows NT, Windows 9.x, Unix, Mac OS.</b>
Hardware:	<b>PC Assembly, Maintenance, Repair and Networking.</b>
Software:	<b>ESRI Products (ArcGIS, ArcObjects, ArcIMS, ArcSDE), Adobe PhotoShop, MS FrontPage, FTP, MS Office, Symantec Visual Café etc.</b>
Technologies:	<b>OOP, HTTP, TCP/IP, XML, SOAP, XWrap, WSDL, RPC, OO Design Patterns, Client Server, Extreme programming, Re-Factoring, CDMA.</b>

### Education

<b>Master of Science (Computer Science)</b> , San Diego State University, San Diego, CA	Aug 2000 – May 2002
<b>Bachelor of Computer Engineering</b> , Bombay University, India	Aug 1997 – July 2000
<b>Diploma in Computer Technology</b> , Bombay University, India	Mar 1994 – July 1997

### Projects

<ul style="list-style-type: none"><li>Mediation based Web Services (Team size:10) Technologies used: <b>Java</b>, Java Servlets, <b>XML</b> based Standards and technologies, <b>Oracle</b>, <b>Spatial</b> Database, Web Services, <b>GIS</b> Applications (Axiomap, ArcIMS ArcGIS, ArcSDE etc.), XWrap, <b>SOAP</b>, <b>WSDL</b>, DOM, XMediator etc.</li></ul>
<ul style="list-style-type: none"><li>Sales Management System (Team size: 4) Technology used: <b>Visual Basic 6.0</b> (DAO, ODBC, ListView, MaskedTextBox, Toolbars, SQL Scripts, Recordsets, Report Control, RichTextBox, other basic components), MS Access (Database Transactions), Crystal Reports etc.</li></ul>
<ul style="list-style-type: none"><li>Machine Design Calculation (Team size: 3) Technology used: <b>Visual Basic 5.0</b> (ODBC, DOA, Basic Tools, Programming logic), MS Access (database transactions)</li></ul>
<ul style="list-style-type: none"><li>Event Management System (Team size: 2) Description: Multi-tier architecture (Browser-Servlet-Server-Database). Dynamic decision about the display of XML using XSL and CSS. Technology used: <b>Java</b> (JDBC, Networking, Servlets, Multi-Threading, File Handling, SQL, Dynamic HTML page generation, Stream Handling, Parsing), <b>XML</b>, <b>XSL</b>, <b>MySQL</b> (Backend), <b>JavaScript</b> etc.</li></ul>
<ul style="list-style-type: none"><li>Grade Reporting Server (Team size: 1) Description: Parsing of HTTP request and processing to display the grades of the user. Technology used: <b>Java</b> (JDBC, Networking, Multi-Threading, File Handling, SQL, Dynamic HTML page generation, Request Logging, Error Handling, Stream Handling, Parsing), <b>MySQL</b> (Backend), JUnit etc.</li></ul>
<ul style="list-style-type: none"><li>International Electronic Checkbook (Team size: 2) Description: Purely Object Oriented, Multi-Currency Support. Technology used: <b>Java</b> (Swing, File Handling, Multi-Threading), JUnit etc.</li></ul>
<ul style="list-style-type: none"><li>Spreadsheet (Team size: 2) Description: Extensive use of Object Oriented Design Patterns. Technology used: <b>Java</b> (swing).</li></ul>
<ul style="list-style-type: none"><li>Distributed Task Manager (Team size: 2) Description: Socket programming to perform Client/Server in <b>C</b>. Technology used: <b>C</b> under <b>UNIX</b>.</li></ul>
<ul style="list-style-type: none"><li>Distributed Math Calculator (Team size: 2) Description: Remote Procedure calls in <b>C</b>. Technology used: <b>C</b> under <b>UNIX</b>.</li></ul>
<ul style="list-style-type: none"><li>Peer-to-Peer file sharing (Team size: 2) Description: Practiced Extreme Programming, partial implementation of the client for GNUTELLA (P2P) protocol. Technology used: <b>Smalltalk</b> Squeak.</li></ul>

- Other Software Projects
  - Centralized Admission System, India.
  - Production Planning, India.
  - X-Ray Laboratory Accounting, India.
  - Printing Shop Accounting, India.

Technology used: **Visual Basic 5.0**, MS Access, Power Builder 4.0, Watcom SQL.

### **Experience**

- Software Programmer/Analyst Intern, San Diego Supercomputing Center, San Diego, CA  
Job duties include doing research on new technologies like SOAP, WSDL, XML standard & technologies and other web technologies. One of the key programmer/analyst in the implementation of the system. Installation and administration of ESRI products (ArcIMS, ArcGIs, ArcSDE etc.), Working with Oracle spatial operations etc.  
Duration: Sept 01 – present
- Software Intern, Siemens Information Communication Mobile, San Diego, CA  
Job duties include developing tools for the mobile phones, troubleshooting existing tools, technical writing, intranet troubleshooting website maintenance, testing tools for the Siemens Cell Phones (I37+), writing modules for GPRS based software.  
Duration: June 01 – Aug 01
- Computer Lab Assistant, San Diego State University, San Diego, CA  
Job duties include troubleshooting network issues and helping students to solve their problems in various programming languages (Java, Visual Basic, C, MatLab, PL/SQL), to work with the operating systems (MS Windows NT and Unix).  
Duration: September 00 – May 01
- Instructor for Computer Science Department, National College, Bombay, India  
Taught C, Visual Basic, Algorithms, etc. to the students.  
Duration: March 99 – May 99
- Tester for Games, Western Outdoor Interactive, Bombay, India  
Tested computer games for errors in user-interface and functionality. Games were written in VC++ (Game Logic) and Visual Basic (User Interface).  
Duration: April 98 – May 98

### **Achievements**

- First prize in the category of "Professional Programmer" at "Creations 1999", a state level inter-collegiate programming competition organized by **IEEE**.
- Appreciation prize in the category of "Software Prototype" at "Technovate 1998", a national level inter-collegiate competition.