

Arjun Jain

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OBJECTIVE

Final year B.E Computer Science student looking for a job/internship in an organization that provides motivation, ambience, upward mobility and exposure to innovative technology.

EDUCATION

- **R.V. College of Engineering** Bangalore, Karnataka
B.E, Computer Science and Engineering Sep. 2001 - Present
 - Maintained an average percentage of **80.6** over the last 5 semesters.
[I → 81.1% II → 80.9% III → 84.7% IV → 85.6% V → 75.7% VI → 77.0%]
- **The Daly College** Indore, Madhya Pradesh
12th Standard, CBSE April 2001
 - Graduated with the Highest Honors (1st Rank in Indore subdistrict for the 2001 CBSE exam) on securing an aggregate percentage of **93.0** in the 2001 C.B.S.E Examinations.
[Physics → 94 Chemistry → 97 Computer Science → 97 Math → 95 English → 82]
 - Was in the 0.1 percentile for Chemistry.
- **The Daly College** Indore, Madhya Pradesh
10th Standard, CBSE April 1999
 - Secured an aggregate percentage of **85.2** in the 1998 C.B.S.E. Examinations.
[Science → 96 Math → 93 Social Science → 91 English → 70 Hindi → 76]
- CET Rank: **112**

SKILLS

Programming Languages: C/C++, PHP, x86 Assembly

Operating Systems: GNU/Linux, OpenBSD, MS-DOS, Windows 9x/Me/XP, Windows NT/2000, Windows Server 2003

Applications: Apache, POV-Ray, QMail, Sendmail, MS SQL Server, PostgreSQL, MySQL, Macromedia Studio, MatLab, GNU Octave, gdb, Lex & Yacc, Qt

Documentation: L^AT_EX, groff, OpenOffice

Miscellaneous: software configuration management, strong verbal and written communication skills, excellent troubleshooting and debugging skills, exceptional problem solving skills, good teams skills

Languages: English, Hindi, Bengali.

PROJECTS EXECUTED

- **myVoice - Speech Recognition System** R.V. College of Engineering
Mini Project Feb. 2004 - Aug. 2004
 - Designed and implemented a digital speech recognition system using Artificial Neural Networks for the Linux environment. The speech preprocessing module was written using the GNU Octave library. The neural network engine for pattern classification was written using C++ and the GUI was designed using Qt.
- **myTunes - Webbased Media Management System** R.V. College of Engineering
Database Management Systems Feb. 2004 - Aug. 2004
 - A database driven webbased media management system with support for multiple user and administrator logins. Media files can be rated by users. Done using Linux, Apache webserver, MySQL Database System and PHP as server side scripting tool with HTML Forms.
- **para-Ray - A Parallel Ray Tracing Engine** R.V. College of Engineering
Distributed Systems Sep. 2002 - Sep. 2002
 - A parallel application to run the popular POV-Ray (a software to render 3D graphics) software in a parallel environment on PVM (Parallel Virtual Machine). The software made use of the PVM libraries, POV-Ray and the PVMPOV application patch.
- **Porting Linux to ARM 920t based VCMA9 board** Systemantics India Pvt. Ltd.
Embedded Systems Aug. 2003 - Sep. 2003
 - The project comprised of building the GNU development toolchain, selecting configuring and installing target specific kernel, creating target root file system and installing and configuring a bootloader for the target system. The target was the master controller for the SCARA robot to control the slave actuators.
- **iDraw - A 2-D Vector Graphics Package** R.V. College of Engineering
Computer Graphics Feb. 2004 - Aug. 2004
 - Developed a 2 Dimensional vector graphics package titled **iDraw 3.14** using Turbo C++. The package includes features such as drawing Bezier Curves, Polygons, ellipses, rectangles, flood fill, pattern fill etc. The package makes extensive use of DOS based interrupts, and implementation of efficient drawing algorithms.
- **myEd - A Text Editor for the GNU/Linux Environment** R.V. College of Engineering
System Software Lab Sep. 2003 - Feb. 2004
 - Developed a *Light Weight* text editing tool for the Linux environment using Qt library with features such as multiple tabs, fonts, colours, indentation etc. The tool is capable of outputting RTF and HTML formats.

PAPERS/TALKS PRESENTED

- **Computer Society of India** Bangalore, Karnataka
PC Cluster Possibilities in 3-D Photo Quality Imaging and Animation December 2003
 - Awarded best paper titled **PC Cluster Possibilities in 3-D Photo Quality Imaging and Animation** at the 16th Computer Society of India Student Convention organized by the Bangalore Chapter.

- **Linux Bangalore/2004** Bangalore, Karnataka
GAMBas!-GAMBas Almost Means Basic! *December 2004*
 – This talk was at the international level Linux symposium **Bangalore/LINUX 2004** held at JN Tata Auditorium, IISc Bangalore. The session aimed at introducing Gambas to the world.
- **Linux Bangalore/2003** Bangalore, Karnataka
3-D Graphics Rendering Using LINUX CLUSTERS *December 2003*
 – This talk was at the international level Linux symposium **Bangalore/LINUX 2003** held at JN Tata Auditorium, IISc Bangalore. Demonstrated rendering of images using PVM-Pov
- **GNUunify 2003** SICSR, Pune
GRID and Cluster computing on Linux *February 2004*
 – This talk was an introductory talk on the Grid and Cluster computing topic with demos on configuring PVM and running applications on it.
- **GNUunify 2003** SICSR, Pune
Crossworking between Linux/Windows using WINE and Cygwin *February 2004*
 – This talk addressed issues like migrating and porting application from one platform to the other. Demonstrated running applications like Visual Studio 6.0, MS Office 2000, etc under Linux environment.

EXTRA CURRICULAR ACTIVITIES

- System Administrator for College Browsing Center
- Responsible for maintaining college web site <http://www.rvce.ac.in>
- Active member of Linux Users Group Bangalore & coordinator for my college Linux Users Group *RV-LUG*
- Technical Director for the department club *Vritanth*
- Core committee member for the national level technical fest *iota 03*
- Student Member of Computer Society of India
- Head of Hostel Networking committee
- Member of College Hockey Team. Silver medallist in the VTU Hockey Tournament 02

PERSONAL INFORMATION

Date of Birth: 2nd of February, 1983

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