

Curriculum Vitae

Name : Sunil Beta Baskar
Father's Name : Dr. David Baskar Sundarraaj
Date of Birth / Age : 20th May 1980 (24 yrs)
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Nationality : Indian
Languages : I read, write and speak
English, Tamil & Hindi

Mission

"To embody the change I seek in the world."

Education

Course	Name of Institution	Board / University	Period	Result
Matriculation	Don Bosco Mat. Hr. Sec. School, Thanjavur	Matriculation	1994-95	87%
HSC	Don Bosco Mat. Hr. Sec. School, Thanjavur	Higher Secondary Certificate (TN)	1996-97	92.17%
B.E.	Shanmugha College of Engineering	Bharathidasan University	1997-2001	76%

Academic Performance

Semester	Percentage
I year	73.8
III Semester	76.375
IV Semester	80.125
V Semester	76
VI Semester	73.625
VII Semester	73.75
VIII Semester	78.0

Average 76.0

Academic Achievements

First in Basic Engineering I during the First Year
First in Programming Languages I during III Sem.
Second in System Software during the VII Sem.
First in Artificial Intelligence during the VIII Sem.

Work Experience

Position	Company	Period
Developer (Embedded Linux Kernel Projects)	Codito Technologies, Pune, Maharashtra, India (www.codito.com)	Jul 2001-May 2002
Linux Kernel Developer	Innvo Systems Pte Ltd., Singapore (www.innvo.com)	Jun 2002 – Jan 2002
Product Manager	Innvo Systems Pte Ltd., Singapore	Jan 2002 – May 2003
Program Manager – Embedded Linux	Codito Technologies, Pune, Maharashtra, India (www.codito.com)	Jun 2003 - <i>today</i>

Projects Undertaken

1. “i810 console framebuffer driver” (i810fb) for PCs with Intel i810 chipsets
2. Crossplatform Development Environment for Cirrus Logic CDB89712 Rev B Development Board.
3. OpenRTLinux 3.0 Port for Cirrus Logic CDB89712 Revision B Development Board
4. lxr development version (0.9) enhancements and language plugin interface
5. Realtime profiling and performance analysis tool framework on proprietary OS platform.
6. Epson S1D13806 Framebuffer driver for StrongARM based platform
7. Linux and RT/Linux 3.0 port (kernel, drivers, fs and BSP) for Advantech PCM-7130 (a.k.a SoCER130) platform with custom Realtime analysis interface.
8. Customized Bootloader enhancements for InnvoBoot.
9. Oki MSM7731 echo cancellation chip driver for customized xScale (PXA250) based in-car telematics device.
10. SMC91C96 ethernet driver enhancements for xScale (PXA250) based in-car telematics device.
11. Complete Linux port (kernel 2.4.19-rmk6-omap1) (kernel, drivers, fs and BSP) for TI OMAP1510 Innovator platform with Qtopia and NanoGUI based GUI alternatives.
12. uClinux port (2.4.20) to LX4380 based SoC
13. CF/VGA driver for Colorgraphics CF/VGA card for the Simputer

Other Activities

- System Administration of local network at Codito
- Gateway security setup using iptables, CVS interface script enhancements, Backup management system.
- Project guide for an undergrad project implementing remote memory allocation over a network based on linux (network RAM).
- System Administration of company intranet at Innvo.
- Research on an Isosynchronous scheduling environment for Smartphone platforms (later converted to a product).
- Customized VPN configuration and maintenance based on FreeS/WAN X.509 for Innvo.
- Technical administration and interface between overseas and resident software teams for product development.

Co-Curricular Activities

Training & Other Educational Programs

Course	Name of Institution	Period	Marks
Feel Employable	Personality Development Centre, Mangalore	December 2000	NA
HDSM (Honorary Diploma in Software Management)	NIIT (Thanjavur)	1994-96	80%
Praveshika	Dakshin Bharath Hindi Prachar Sabha	1992-94	65%

Training and Academic Projects

1. “Container Allocation” at CONCOR, India Ltd., Thondiarpeth.
2. “Infinity”, Large Integer Processing Library for Diophantine Studies, Dept. of Mathematics, Shanmugha College of Engineering
3. “Kollektive Linux Distro” codenamed ‘Mahout’, Desktop customized Indian Linux Distribution with Morelinux.com (later Codito.com)

Paper Presentations

Paper / Field of Study	Period
Internet Security with Firewalls	V Semester
Internet Security with Intelligent Systems (behavioral approach)	V Semester
DNA Computing (NP Problems)	V Semester
Quantum Computing (Interface)	VI Semester
Hollow Magic Cubes	VII Semester

Achievements

- Won the First Prize at Pondicherry University for the paper on “Quantum Computing”
- Won the Second Prize at PSG College of Technology for the paper on Firewalls
- Won the First Prize at Venkateshwara College of Engineering for the paper on “Hollow Magic Cubes”
- Paper on “Quantum Computing” with Mobile Agent Interface recognized at Imperial College UK(www.ic.ac.uk)

Competitions

1. First Prize in Marketing at Pondicherry University, National Level Technical Symposium – ‘Recursion 99’
2. Second Prize in Software Marketing at Pondicherry Engineering College, National Level Technical Symposium – ‘ICON 2000’
3. First Prize in ‘ET in the Classroom’ Quiz (Trichy Zone) conducted by Economic Times in 2001
4. First Prize in the Prof. KGS Oratorical Competition held in 1998

5. Second Prize in the Prof. TRR Science Essay Competition held in 1998
6. First Prize in the Prof. KGS Oratorical Competition held in 2001
7. First Prize in the English Oratorical Competition held in 2001
8. First Prize in the Prof. TRR Science Essay Competition held in 2001
9. First Prize in the Prof. KGS Creative Writing Competition held in 2001
10. First Prize in the Prof. KGS English Essay Competition held in 2001

Awards Received

Shri. R Sethuraman Award for academic excellence in Computer Science & Engineering.

Shri. H Mahadeva Iyer Award for academic performance, proven language skills & wide reading habits and performance in extra-curricular activities.

Department Activities

1. System Administrator for the Advanced Project Laboratory (APL) in the Department of Computer Science at Shanmugha College of Engineering during the period 2000-2001
2. Delivered Technical Seminars on various topics during the 5th, 6th, 7th and 8th semesters.
3. Designed websites and presentations for various college activities.
4. Webmaster of www.sce.ac.in during the year 2000-2001.
5. Designed posters for College symposia during 1999 and 2000
6. Event Designer and Symposium Technical Manager for Face 2000, Technical symposium by the Department of Computer Science at Shanmugha College of Engineering.

Extra-Curricular Activities

1. President of the Computer Club for three consecutive years at school.
2. Chairman of the Technical Club of NIIT, Thanjavur – “QUEST” during 1997-98
3. School Pupil Leader of Don Bosco, Thanjavur during 1996-97
4. Class Representative for the batch of 1997-2001 (CSE)
5. I have represented my school in Chess & Table tennis tournaments

Knowledge of Computers

Familiar Development Environments

EMACS, Kdevelop, Eclipse CDT2
CVS, SCCS and Bitkeeper version control

Familiar Languages

C/C++ and clones (CyClone etc.), Object Basic, Object Pascal, GNU Assembler conventions

Familiar Architectures

Intel IA32, ARM7, ARM9, SA1110, PXA250, MIPS, Cradle UMS, Motorola Dragonball-MX1, TI OMAP1510, OMAP1610, OMAP2410

Familiar Scripting Languages

Perl, VBScript, ECMAScript,
AWK, SED, BASH,
SQL (Sybase), xBase (dBASE, Foxbase & clones)
VRML/VRL interface for games (simulators).

Familiar Operating Systems

GNU/Linux – (Distributions tinkered: Slakware, SuSE, RedHat, OpenLinux, Mandrake, TurboLinux, Debian Linux, Caldera), Sun Solaris, MacOS X, Novell Netware 4.11, FreeBSD 4.0

Related Activities

Founded and Headed *Reboot*, a PC Troubleshooting organization in Thanjavur for providing Network and SOHO PC troubleshooting.

Developed User Interface Libraries using QuickBasic, C/C++

Developed Game Engine Libraries using C/C++

MPEG/2 Video splitting utilities under Linux

Areas of Interest

Linux Kernel porting

Real-time Systems

Intelligent System Design

Embedded Systems Design

Other Interests

Reading Books (Random, Non-Fiction), Formula 1 Racing, Music with MIDI, Investigating Paranormal Phenomena, Metaphysics, Sci-Fi, Writing Essays, Commentaries and Fiction.

References

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Mr. G Chidambaram, Managing Director, Arvee Finance, Thanjavur.
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Prof. R Kandaswamy, (Ex. Scientist DRDO)
Registrar,
S.A.S.T.R.A,
Tirumalaisamudram
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