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INTERESTS

GPU Computing, Compilers, Cryptography

EDUCATIONAL QUALIFICATIONS

Bachelor of Technology, 2011-2015	Computer Science and Engineering National Institute of Technology Calicut	8.56/10
AISSCE, 2011	BSP Senior Secondary School Sector-10, Bhilai	91.40%
AISSE, 2009	BSP Senior Secondary School Sector-4, Bhilai	90.40%

KEY ACADEMIC PROJECTS

Simple Integer Language Compiler SILC under Dr. Vineeth Paleri, (Dec'2013-May'2014)

- Made a compiler for **SIL** and generated assembly code for Simple Integer Machine (SIM)
- Created and implemented **abstract syntax tree** and **function calls** with static scope rule
- Used **lex** and **yacc** to develop lexer and parser respectively

eXperimental Operating System XOS under Dr. K Murali Krishnan, (July'2013-Nov'2013)

- Created an operating system for eXperimental String Machine (XSM)
- Created a **kernel** with non pre-emptive Round Robin process scheduler and a **shell**
- Applied **memory management** and implemented **system calls** for interaction with XOS kernel

Chat and Image Upload in Agraj Samvad, under JPS Chauhan, **Bhilai Steel Plant** (May'2013-June'2013)

- Integrated **AJAX chat system**, image upload and image sharing facility in Agraj Samvad
- Learnt and used JSP, JavaScript and Oracle PL/SQL to develop the above features

Online Coding Judge Koders' Arena, Koders' Haven group, NIT Calicut (Jan'2013-Mar'2013)

- Developed the online code checker for intra-college coding competitions
- The multi threaded code checker was developed in Python and MySQL
- This supports C/C++, Java and Python as programming languages.
- The front end was developed in HTML, CSS, JavaScript with PHP and MySQL handling the server side

Launch Vehicles, 5th National Aerospace Olympiad, PEC University, Chandigarh (Dec'2010)

- Studied and performed a comparative analysis of recent technologies being used in development of satellite launch vehicles including fuel, design, engine, material, dynamics and cryogenics
- Received the **best project** award in the paper presentation

POSITIONS OF RESPONSIBILITY

Lab Administrator, Software System Laboratory, IT Lab Complex, NIT Calicut (July'2013)

- Responsible for administration of servers
- Setup LDAP based user authentication, NFS for data backup and written scripts for automation and backup
- Migrated Athena server to new machine and made a new website for it

Website Maintainer, Department of Computer Science and Engineering, NIT Calicut (July'2013)

- Responsible for security and content integrity in website

TECHNICAL SKILLS

Programming Languages	C/C++ with CUDA , Java
Scripting Languages	BASH , Python , JavaScript, PHP
DBMS	Oracle, MySQL
Web Technology	HTML5, CSS3, jQuery, Django Python Framework

EXTRA CURRICULAR ACTIVITIES

- Purple belt in **Okinawan Shorin-ryu Karate**
- Attended **FOSS.in** 2012 in Bangalore and reported a bug in KDE desktop environment
- Attended and organised **FOSSMeet** 2013 at NIT Calicut

HOBBIES

Computer Animation and Graphics, Origami