Sudev A. C.

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AREAS OF INTEREST

GNU/Linux, Cloud Computing, Operating Systems, Computer Networks & Machine Learning.

EDUCATION

National Institute of Technology Calicut   *Calicut, Kerala, India*

B.Tech, Computer Science and Engineering   *July 2010 – May 2014*

– Cumulative GPA: 7.28/10
– *Relevant Courses*: Data Structures & Algorithms, Design & Analysis of Algorithms, Theory of Computation, Computer Networks, Discrete Computational Structures, Operating Systems, Compilers, Number Theory and Cryptography, Computer Security, Natural Language Processing.

PROJECTS

Experiments with Minix 3 operating system   NIT Calicut
Supervisor: Dr. K Muralikrishnan   *August 2013 – May 2014*
Technologies: Minix 3 operating system, Minix File System, C
Implementation of immediate files in Virtual filesystem of Minix 3 operating system. Immediate files are small files accommodated in the inode itself instead of allocating a disk block.

High Performance Computing & Virtualization in the Cloud   NIT Calicut
Supervisor: Dr. Vineeth Paleri   *December 2012 – January 2014*
Technologies: Eucalyptus Cloud, Rocks Cluster, Shell Scripting, Linux Networking
Setting up a scalable private cloud in the campus using open source tools like Eucalyptus and Rocks, capable of high performance computing and virtualization. A cloud alternative for Computer Science programming laboratory and provides IaaS for student community in campus.

Simple Integer Language (SIL) Compiler   NIT Calicut
Class Project, Compiler Design   *August 2012 – November 2012*
Engineered a compiler for a simple & strongly typed language, SIL in C using tools like LEX and YACC.

Tux of War   NIT Calicut
Technical Event, Tathva 2011   *August 2012 – October 2012*
Technologies: Linux, Google App Engine
Organized and prepared questions for a Linux know how and shell scripting event as part of Tathva 12 (Technical Fest of NIT Calicut).An online quiz was conducted using Google App engine, mocking a Linux terminal.

FOSSCell Website and Mirror   NIT Calicut
Technical Club, NIT Calicut   *May 2011 – June 2011*
Technologies: Drupal CMS, HTML/CSS, Fedora Linux Server
A new website for Free and Open Source Cell of NIT Calicut where members can share knowledge, thoughts and discuss about Free Softwares. A local Linux server was configured to host website along with a Fedora Mirror.

WORKSHOPS ATTENDED	FOSS.in	*Bangalore, November 2012*
	Yahoo Open Hack India	*Bangalore, June 2012*
	Cloud & Linux by IBM	*NIT Calicut, April 2013*

WORKSHOPS TAKEN	Introduction to GNU/Linux	*NIT Calicut, February 2013*
	Introduction to Shell Scripting	*NIT Calicut, January 2014*

RESPONSIBILITIES HELD

- Organizer & Web Developer at TEDxNITCalicut.
- Lab Administrator (Biocomputing Research Laboratory) and HPC Cluster Administrator
- Web Admin FOSSCell NIT Calicut & Fedora Mirror NIT Calicut.
- Member of core team of FOSSMeet 2011-2014.
- Senior executive at FOSSCell NIT Calicut.

SKILLS

- *Programming*: C, Shell Scripting, Python, R, HTML/CSS
- *Tools*: LEX, YACC, GIT, VIm
- *CMS*: Drupal
- *DBMS*: MySQL
- *Platforms*: GNU/Linux, Windows