

Sudev A. C.

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| CONTACT INFORMATION | Ambadi House Ponnani South P. O. Malappuram Kerala - 679586 | <i>mobile:</i> +91-8089442513 <i>webpage:</i> sudev.github.io <i>e-mail:</i> sudevdev@gmail.com |
| AREAS OF INTEREST | GNU/Linux, Cloud Computing, Operating Systems & Computer Networks. | |
| EDUCATION | National Institute of Technology Calicut <i>B.Tech, Computer Science and Engineering</i> – Cumulative GPA: 7.27/10 – <i>Relevant Courses:</i> Data Structures & Algorithms, Design & Analysis of Algorithms, Theory of Computation, Computer Networks, Discrete Computational Structures, Operating Systems, Compilers, Databases, Computer Security, Natural Language Processing. | <i>Calicut, Kerala, India</i> July 2010 – Present |
| PROJECTS | Experiments with Minix 3 operating system <i>Supervisor: Dr. K Muralikrishnan</i> <i>Technologies: Minix 3 operating system, C</i> Implementation of immediate files in Minix 3 operating system. Immediate files are small files accommodated in the inode itself instead of allocating a disk block. | NIT Calicut <i>August 2013 – present</i> |
| | High Performance Computing & Virtualization in the Cloud <i>Supervisor: Dr. Vineeth Paleri</i> <i>Technologies: Eucalyptus Cloud, Rocks Cluster, Shell Scripting, Linux Networking</i> Set 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. | NIT Calicut <i>December 2012 – January 2014</i> |
| | Simple Integer Language (SIL) Compiler <i>Class Project, Compiler Design</i> Engineered a compiler for a simple & strongly typed language, SIL in C using tools like LEX and YACC. | NIT Calicut <i>August 2012 – November 2012</i> |
| | FOSSCell Website and Mirror <i>Technical Club, NIT Calicut</i> <i>Technologies: Drupal CMS, HTML/CSS, Fedora Linux Server</i> 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. | NIT Calicut <i>May 2011 – June 2011</i> |
| | Tux of War <i>Technical Event, Tathva 2011</i> <i>Technologies: Linux, Google App Engine</i> 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. | NIT Calicut <i>August 2012 – October 2012</i> |

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| WORKSHOPS ATTENDED | FOSS.in Yahoo Open Hack India Cloud & Linux by IBM | <i>Bangalore, November 2012</i> <i>Bangalore, June 2012</i> <i>NIT Calicut, April 2013</i> |
| WORKSHOPS TAKEN | Introduction to GNU/Linux | <i>NIT Calicut, February 2013</i> |
| RESPONSIBILITIES HELD | <ul style="list-style-type: none"> – 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 member at FOSSCell NIT Calicut. | |
| SKILLS | <ul style="list-style-type: none"> • <i>Programming</i>: C, HTML/CSS, Shell Script • <i>Tools</i>: LEX, YACC, GIT, VIm • <i>CMS</i>: Drupal • <i>DBMS</i>: MySQL • <i>Platforms</i>: GNU/Linux, Windows | |