

Sudev A. C.

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
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AREAS OF INTEREST	GNU/Linux, Cloud Computing, Operating Systems, Computer Networks & Machine Learning.
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EDUCATION	National Institute of Technology Calicut <i>B.Tech, Computer Science and Engineering</i> – Cumulative GPA: 7.28/10 – <i>Relevant Courses:</i> 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.	<i>Calicut, Kerala, India</i> <i>July 2010 – May 2014</i>
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WORK EXPERIENCE	EY Innovation Center <i>Position: Associate</i> <i>Technologies: R, Linux, Python</i> To design and implement machine learning techniques as cloud based applications for market trigger and insights. – Implement machine learning techniques in R / Python language. – Setting up Linux servers in cloud.	Trivandrum, Kerala <i>June 2014 – present</i>
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PROJECTS	Experiments with Minix 3 operating system <i>Supervisor: Dr. K Muralikrishnan</i> <i>Technologies: Minix 3 operating system, Minix File System, C</i> 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.	NIT Calicut <i>August 2013 – May 2014</i>
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	High Performance Computing & Virtualization in the Cloud <i>Supervisor: Dr. Vineeth Paleri</i> <i>Technologies: Eucalyptus Cloud, Rocks Cluster, Shell Scripting, Linux Networking</i> 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.	NIT Calicut <i>December 2012 – January 2014</i>
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	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>
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	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 Introduction to Shell Scripting	<i>NIT Calicut, February 2013</i> <i>NIT Calicut, January 2014</i>
RESPONSIBILITIES HELD	<ul style="list-style-type: none"> – Organizer & Web Developer at TEDxNITCalicut. – Lab Administrator (Biocomputing Research Laboratory) and HPC Cluster Administrator – Evangelist at FOSSCell NIT Calicut. – Web Admin FOSSCell NIT Calicut & Fedora Mirror NIT Calicut. – Member of core team of FOSSMeet 2011-2014. 	
SKILLS	<ul style="list-style-type: none"> • <i>Programming</i>: C, Shell Scripting, Python, R, HTML/CSS • <i>Tools</i>: LEX, YACC, GIT, Vim • <i>CMS</i>: Drupal • <i>DBMS</i>: MySQL • <i>Platforms</i>: GNU/Linux, Windows • <i>Cloud</i>: Eucalyptus, AWS 	