

# 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
---------------------	--	---

AREAS OF INTEREST	GNU/Linux, Cloud Computing, Operating Systems, Computer Networks & Machine Learning.
-------------------	--

EDUCATION	<b>National Institute of Technology Calicut</b> <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>
-----------	---	--

WORK EXPERIENCE	<b>EY Innovation Center</b> <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>
-----------------	---	--

PROJECTS	<b>Experiments with Minix 3 operating system</b> <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>
----------	---	--

	<b>High Performance Computing &amp; Virtualization in the Cloud</b> <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>
--	--	--

	<b>Simple Integer Language (SIL) Compiler</b> <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>
--	---	---

	<b>Tux of War</b> <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>
--	---	--

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"> <li>– Organizer &amp; Web Developer at TEDxNITCalicut.</li> <li>– Lab Administrator (Biocomputing Research Laboratory) and HPC Cluster Administrator</li> <li>– Evangelist at FOSSCell NIT Calicut.</li> <li>– Web Admin FOSSCell NIT Calicut &amp; Fedora Mirror NIT Calicut.</li> <li>– Member of core team of FOSSMeet 2011-2014.</li> </ul>	
SKILLS	<ul style="list-style-type: none"> <li>• <i>Programming</i>: C, Shell Scripting, Python, R, HTML/CSS</li> <li>• <i>Tools</i>: LEX, YACC, GIT, Vim</li> <li>• <i>CMS</i>: Drupal</li> <li>• <i>DBMS</i>: MySQL</li> <li>• <i>Platforms</i>: GNU/Linux, Windows</li> <li>• <i>Cloud</i>: Eucalyptus, AWS</li> </ul>	