

## 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
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AREAS OF INTEREST GNU/Linux, Big Data, Cloud Computing & Operating Systems.

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>
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WORK EXPERIENCE	<b>EY Innovation Center</b> <i>Position: Associate</i>	Trivandrum, Kerala <i>June 2014 – present</i>
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Data Harvester *Jan 2015 – present*  
*Summary :* Apache Spark application to harvest valuable information from public filings.  
*Technologies :* Apache Spark, Python/Java, MongoDB  
*Responsibilities :*

- Implement Apache Spark application to process real-time stream of financial filings harnessing in-memory processing capabilities of Apache Spark on Hadoop/YARN.
- Setting up Linux cluster to run Apache Spark on Hadoop-YARN environment.
- Implement prediction models for forecasting financials using harvested data.

Market Trigger *June 2014 – Dec 2014*  
*Summary :* A cloud based application for triggers and insights relevant to EY's market.  
*Technologies :* Python, R, Linux  
*Responsibilities :*

- Design and implement data mining techniques in Python and R to gain market triggers from social media and news/rss feeds.
- Setting up Linux server environment in cloud to serve realtime push notifications.

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>
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	<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>
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SKILLS	<ul style="list-style-type: none"> <li>• <i>Programming</i>: C, Python, Shell Scripting, R, Java</li> <li>• <i>Distributed Computing/Cloud</i>: Apache Spark, Horton data platform, Eucalyptus</li> <li>• <i>Web</i>: Drupal, HTML/CSS</li> <li>• <i>Tools</i>: LEX, YACC, GIT, VIm</li> <li>• <i>Platforms</i>: GNU/Linux, Windows</li> </ul>	
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	Data mining and R programming Introduction to Shell Scripting Introduction to GNU/Linux	<i>EY Innovation Trivandrum, March 2015</i> <i>NIT Calicut, January 2014</i> <i>NIT Calicut, February 2013</i>
RESPONSIBILITIES HELD	<ul style="list-style-type: none"> <li>– Organizer &amp; Web Developer at TEDxNITCalicut.</li> <li>– HPC Cluster Administrator at Biocomputing Research Laboratory, NIT Calicut</li> <li>– Evangelist and server admin at FOSSCell NIT Calicut.</li> <li>– Member of core team FOSSMeet 2011-2014.</li> </ul>	