Sudev A. C.

CONTACT INFORMATION	Ambadi House	*mobile:*	+91-8089442513
	Ponnani South P. O.	*webpage:*	sudev.github.io
	Malappuram	*e-mail:*	sudevdev@gmail.com
	Kerala - 679586		

AREAS OF INTEREST

GNU/Linux, Big Data, Data Science, Cloud Computing & Operating Systems.

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.

SKILLS

Programming: C, Python, Shell Scripting, R, Java
Distributed Computing: Apache Spark, Hortonworks data platform
Cloud Computing: Eucalyptus
Web: Drupal, HTML/CSS
Platforms: GNU/Linux, Windows
Tools: GIT, VIm

INDUSTRY EXPERIENCE

EY LLP — Trivandrum, Kerala
Position: Associate — *June 2014 – present*

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.

Indoor Positioning system — *March 2015 – present*
Summary : A network of Raspberry Pi capturing wifi signal strengths to position any wifi enabled device within a building.
Technologies : Python, Kismet, Linux
Responsibilities :
- Mentor interns to create a network of raspberry pi and train them on python.
- Implement a python client to capture all wifi data packets using kismet and push them to database.
- Use machine learning methods to create a model which can position devices correctly using wifi signal fingerprints collected as training 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.

ACADEMIC 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.

SESSIONS ATTENDED

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

SESSIONS TAKEN

Data mining and R programming *EY LLP Trivandrum, March 2015*
Introduction to Shell Scripting *NIT Calicut, January 2014*
Introduction to GNU/Linux *NIT Calicut, February 2013*

RESPONSIBILITIES HELD

– Organizer & Web Developer at TEDxNITCalicut.
– HPC Cluster Administrator at Biocomputing Research Laboratory, NIT Calicut
– Evangelist and server admin at FOSSCell NIT Calicut.
– Member of core team FOSSMeet 2011-2014.