Sphoorti Joglekar

Pune, IN

+91-8007785897

sphoorti.joglekar@gmail.com

http://www.sphoortijoglekar.com/

EDUCATION :

- **Pune Institute of Computer Technology** at University of Pune   **(2010-2014)**

    Bachelor's in Computer Engineering (First Class with Distinction)

- **Fergusson College**, Pune   **(2008-2010)**

    Higher School Certificate (91.17%)

SKILLS :

- *Programming Languages :* C, C++, Shell scripting, Python, JAVA

- *Tools used :* OpenStack,Android SDK, oVirt, Django Framework

- *Embedded systems :* Beaglebone Black, Arduino

- *Version Contol :* Git, Gerrit, Mercurial

OPEN SOURCE INVOLVEMENT :

- Grace Hopper Celebration India (GHCI) Committee Member, 2015

    As a committe member for the hackathon track, my responsibilities include planning, strategizing, volunteering to organize the Pune hackathon and end-to-end implementation of the entire track.

- Eudyptula Challenge

    I am currently working on my 5th task and I aspire to be an active contributor to the Linux Kernel community on completion of the challenge.

- Gnome OPW intern with **oVirt** December 2014 – March 2015.

    Contributions - https://github.com/matobet/moVirt

- Patches contributed to *The OpenStack Foundation*.

    I was introduced to the OpenStack community while working on my Bachelor's thesis and I have contributed patches to Devstack, Neutron and Zaqar projects.

    The patches can be viewed at : https://review.openstack.org/#/q/owner:sphoorti,n,z

EXPERIENCE :

- Member of Technical Staff at Airtight Networks (July 2014 – present)

    Work on kernel and driver level features for the company's product.

PROJECTS :

moVirt (OPW project) -
moVirt is a mobile application for monitoring oVirt datacenter. It uses the oVirt REST API to communicate with the oVirt engine. It allows the user to see/start/stop VMs, connect to them using VNC and SPICE and also monitor the health of the VMs using the built-in trigger mechanism.
Platforms used: oVirt, Android Studio, VDSM

Droidnet: A Cloud Robotics Framework for Unmanned Ground Vehicles Gamification
(Bachelor's Thesis) -
A ubiquitous system that provides a framework to bring the versatility of cloud to embedded systems. The project focuses on controlling and processing of the collaboratively collected data to attain specific objectives. The project will investigate such a distributed system for increase in efficiency, reliability and a reduction in operating costs.
Platforms used: OpenStack, Android, BeagleBone Black, Django Framework, MongoDB.

Monthly Report **-**
A website for registering students and staff, and registering their monthly co-curricular activities.
A .doc report can be generated according to the requirements and instructions given by the administrator. There are provisions for tabular as well as numbering display along with selection of required categories to be displayed in the report. Automated email alerts can be sent to the registered users to fill in their details .
Technology used: HTML , CSS, JSP, Javascript.

Kuz **-**
A CRUD based software application for cattle management developed by taking into consideration the actual requirements of an existing dairy. A report of the gathered data is generated in Excel.
Technologies used: .NET 4.0, MySQL WorkBench.

PUBLICATIONS AND PRESENTATIONS :

Contributing to Open Source at *Gnunify '15*
An introductory talk to encourage students to start contributing to Open Source projects.

Smartphones and off the shelf hardware for 3D scanning in mobile robots
The paper has been accepted in the IJSER journal for Issue 1, Volume 5

Android FDP, PICT
A demonstration of running Android OS on BeagleBone Black and getting started with Android

development

Probabilistic Algorithms in Robotics

The seminar was a brief introduction of the probabilistic algorithms used in artificial intelligence.

AWARDS :

- **Received ADA Initiative Scholarship** to attend **Open Hardware Summit 2014**, Innovation Week in **Rome, Italy.**