Swati Jaiswal

INTERESTS

• Algorithms & Data Structures, Computational Cognitive Science, Web Development, Automation.

INTERNSHIPS

Software Developer Intern

OpenShift Origin, Red Hat(Outreachy)

May 2016 - Aug 2016

jaiswalswati94AtgmailDoTcom

- Contributed to a framework (FTL [1]) for installing OpenShift (built using Ansible python API & Python) as a wrapper over the current Ansible based installer, wrote tests (using pytest) & CLI (using argparse).
- Deployed an OpenShift cluster with a master & a node containing an internal Docker registry & a router along with a sample rails application on the cluster with a PostgreSQL & a front end service while creating a Docker image for the same & finally documented [2] the whole process as well.

Hacker Intern DoSelect Jan 2017 - Mar 2017

- Developed a webcam proctor for recruiting tests using openface, dlib and Google Vision API.
- Wrote API for Doselect's programmer forum (using Tastypie), where hackers can ask programming questions and can answer the question asked by other users and showcase their skills.
- Built the test creation wizard(using Elastic Search API and django-haystack) for companies using Doselect to reduce their efforts for creating a recruiting test.

Backend Developer

HashGrowth.com

Feb-May 2016, Sept-Dec 2016

- Google Play Developer Console login & report fetching using python-requests, BeautifulSoup & Falcon, integration with HashGrowth using Django & PostgreSQL.
- Authentication (using django-allauth), Teams (using django-organizations) & on-board backend, scheduling & automation (using django-celery), deployments (using Nginx & upstart) also automated the process (using Ansible).

OPEN SOURCE PROJECTS

- Sjdownloader (2014): Cross platform open source desktop app for downloading (built with Python & wxpython)[3].
- Py-google-auth (2016): Headless implementation of Google web login (with support for 2-Step Verification) in Python [4] (built using requests, BeautifulSoup & Falcon).
- Cryptanalyzer (2016): A web application for analysis of encryption algorithms [5] (built using Django, pycrypto, blowfish & nvd3).
- **CPython** (2015): Got two patches merged: #25913 [8], #25822 [9].
- Python Express (active): contributor for PSSI sponsored open source platform for conducting & managing Python workshops; with over 50 merged commits [6].
- Openbudgets.in (active): contributor for CBGA driven open data portal for budgets in India [7].
- IIPS mobile app (2015): Hybrid mobile app for college (built using Ionic, Expres.js, PostgreSQL & Sequelize).
- Drop to slack (2016): Web app for dropping messages to slack channels from a web browser (built using Flask, web hooks).

ONLINE COURSES

• Algorithms: Design and Analysis - Part I (Stanford University, Coursera)

100%

- NAND to Tetris Part I (Hebrew University, Coursera)
- Computer Science 101 (Stanford Online)
- CS101: Introduction to Computer Science (Udacity)
- Programming foundations with Python (Udacity)
- Web Development (Udacity)

EDUCATION

Devi Ahilya University

July 2012 - Dec 2017

100% (Verified Certificate)

100% (Verified Certificate)

• Master of Technology (MTech, IT) CGPA: 8.59/10

SKILLS

- Programming: Python, HTML, C, JavaScript, CSS, Ansible, Bash, Java.
- Frameworks: Django, Falcon (Rest APIs), Bootstrap, Flask, Tastypie, Angular JS, Express is, Ionic.
- Database/ORM: PostgreSQL, MySQL, Django ORM, Sequelize.
- Cloud/hosting: AWS (ec2, beanstalk), OpenShift, Docker, Vagrant & VirtualBox.
- Servers: Nginx, Apache, Gunicorn.
- OS/VCS: *nix (Ubuntu, CentOS), git, hg.

WORKSHOPS/TALKS

- Talk on How to get started with open source for women & underrepresented groups in tech in PyCon India (2016).
- Python 101 at Vivekanad Institute of Technology (VKIT), Bangalore, India (March 2017).
- Workshop at Acropolis Institute of Technology and Research on Web Development using Python (April 2016).

https://github.com/ftl-toolbox/ftl_installer

- http:/ swatij.me/outreachy/getting-started-with-openshift-v3
- https://github.com/curioswati/sjdownloader https:
- /github.com/Hashgrowth/py-google-auth
- http://cryptanalyzer.swatij.me/
- https://github.com/pythonindia/wye/commits?author=curioswati
- https://github.com/cbgaindia/ckanext-openbudgetsin_theme
- https://hg.python.org/cpython/rev/ce5bf3290621 https://hg.python.org/cpython/rev/7bfcb8b75ad9

• Workshop at Diaspark Inc. on the topic of Automation using Python (September 2014).