

# Swati Jaiswal

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## INTERESTS

- Algorithms & Data Structures, Cognitive Science, Web Development, Automation.

## INTERNSHIPS

<b>Software Developer Intern</b>	<b>OpenShift Origin, Red Hat(Outreachy)</b>	May 2016 - Aug 2016
<ul style="list-style-type: none"><li>Contributed to a framework (FTL [1]) for installing OpenShift (built using Ansible python API &amp; Python) as a wrapper over the current Ansible based installer, wrote tests (using pytest) &amp; CLI (using argparse).</li><li>Deployed an OpenShift cluster with a master &amp; a node containing an internal Docker registry &amp; a router along with a sample rails application on the cluster with a PostgreSQL &amp; a front end service while creating a Docker image for the same &amp; finally documented [2] the whole process as well.</li></ul>		
<b>Hacker Intern</b>	<b>DoSelect</b>	Jan 2017 - Mar 2017
<ul style="list-style-type: none"><li>Developed a webcam proctor for recruiting tests using openface, dlib and Google Vision API.</li><li>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.</li><li>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.</li></ul>		
<b>Backend Developer</b>	<b>HashGrowth.com</b>	Feb-May 2016, Sept-Dec 2016
<ul style="list-style-type: none"><li>Google Play Developer Console login &amp; report fetching using python-requests, BeautifulSoup &amp; Falcon, integration with HashGrowth using Django &amp; PostgreSQL.</li><li>Authentication (using django-allauth), Teams (using django-organizations) &amp; on-board backend, scheduling &amp; automation (using django-celery), deployments (using Nginx &amp; upstart) also automated the process (using Ansible).</li></ul>		

## 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, Express.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

<b>Algorithms: Design and Analysis - Part I</b> (Stanford University, Coursera)	<b>100%</b>
<b>NAND to Tetris - Part I</b> (Hebrew University, Coursera)	<b>100%</b> (Verified Certificate)
<b>Computer Science 101</b> (Stanford Online)	<b>100%</b> (Verified Certificate)
<b>CS101: Introduction to Computer Science</b> (Udacity)	
<b>Programming foundations with Python</b> (Udacity)	
<b>Web Development</b> (Udacity)	

## EDUCATION

<b>Devi Ahilya University</b>	July 2012 - Dec 2017
<ul style="list-style-type: none"><li>Master of Technology (MTech, IT) <b>CGPA: 8.56/10</b></li></ul>	

## SKILLS

- Programming** : Python, HTML, C, JavaScript, CSS, Ansible, Bash, Java.
- Frameworks** : Django, Falcon (Rest APIs), Bootstrap, Flask, Tastypie, AngularJS, Express.js, Ionic.
- Database/ORM** : PostgreSQL, MySQL, Django ORM, Sequelize.
- Cloud/hosting**: AWS (ec2, beanstalk), OpenShift, Docker, Vagrant & VirtualBox.
- Servers** : Nginx, Apache, Unicorn.
- 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).
- Workshop at Diaspark Inc. on the topic of *Automation using Python* (September 2014).

[1] <https://github.com/ftl-toolbox/ftl-installer>

[2] <http://swatij.me/outreachy/getting-started-with-openshift-v3>

[3] <https://github.com/curioswati/sjdownloader>

[4] <https://github.com/Hashgrowth/py-google-auth>

[5] <http://cryptanalyzer.swatij.me/>

[6] <https://github.com/pythonindia/bye/commits?author=curioswati>

[7] [https://github.com/cbgaindia/ckanext-openbudgetsin\\_theme](https://github.com/cbgaindia/ckanext-openbudgetsin_theme)

[8] <https://hg.python.org/cpython/rev/ce5bf3290621>

[9] <https://hg.python.org/cpython/rev/7bfc8b75ad9>