SWATI JAISWAL

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EXPERIENCE

Civic Tech Engineer
CivicDataLab   Oct 2018 - July 2020   Remote, India

- JusticeHub: Tech lead for an open data portal for legal data in India. Worked on both the backend and user interface development using CKAN. Also interacted with data contributors and other stakeholders in the process.
- eCourts ETL pipeline: Co-developed and maintained a scalable ETL pipeline using Scrapy and Apache Airflow for scraping and analyzing data using Pandas and Apache Superset from the eCourts platform for various legal data based interventions in the organisation.
- Himachal Pradesh Fiscal Data Explorer- Developed the scraping pipeline and did initial setup for scraping automation using Apache Airflow.
- Co-develpoed various dashboards for analyzing legal data related to child sexual abuse in India.
- Owing to organisation's flat structure, I was involved in the operations at various levels i.e. hiring, onboarding new team members, contributing in forming policies, preparing project proposals, interacting with partner organisations, writing blog posts etc.

Junior Python Developer
Scrapinghub   Jul 2017 - Jul 2018   Remote, Ireland

- Developed Web Scraping solutions for our clients while tackling anti bot systems, javascripts and APIs. Also followed the best and polite web scraping practices to not harm the hosts.

Hacker Intern
Doselect   Jan 2017 - Mar 2017   Bengaluru, India

- Developed a webcam proctor for recruiting tests using openface, dlib & 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 & django-haystack) for companies using Doselect to reduce their efforts for creating a recruiting test.

Backend Developer
Hashgrowth.com   Feb-May, Sept-Dec 2016   Indore, India

- 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).
- Py-google-auth(2016): Headless implementation of Google web login (with support for 2-Step Verification) in Python(built using requests, BeautifulSoup & Falcon).
- Cryptanalyzer(2016): A web application for analysis of encryption algorithms(built using Django, pycrypto, blowfish & nvd3).
- 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).

MOST PROUD OF

Persistence I showed to make it to the outreachy May-Aug 2016 round.

Contributions I did in getting recognition in Github's Arctic Code Vault Program.

Contributions I did for creating a shared open data platform for legal data in India.

SKILLS

Programming
Python, HTML, CSS, Bash, JavaScript, SQL.

Data
Scraping, Parsing, Munging, Pipelining, Modeling, EDA, Basic Visualization. ●Requests, Scrapy, BeautifulSoup, PostgreSQL, Sqlite, Sequelize, Pandas, Altair.

Web/Mobile Dev
Web Application Architecture, Microservices Architecture, Server Setup, Automation, Hybrid Mobile Development. ●Django, CKAN, Falcon (Rest APIs), Bootstrap, Flask, Tastypie, AngularJS, Express.js, Ionic, Nginx, Gunicorn, Ansible.

EDUCATION

M.Tech in Information Technology
Devi Ahilya University   Jul 2012 - Dec 2017

CERTIFICATIONS

- Machine Learning by Andrew NG(Stanford University, Coursera)   **100%**
- Algorithms: Design and Analysis - Part I(Stanford University, Coursera)   **100%**
- NAND to Tetris - Part I(Hebrew University, Coursera)   **100%**(Verified Certificate)
- Computer Science 101(Stanford Online)**100%**(Verified Certificate)
- CS101: Introduction to Computer Science(Udacity)
- Programming foundations with Python(Udacity)
- Web Development(Udacity)

WORKSHOPS/TALKS

- Talk on *"Fantastic Indian Open datasets & where to find them"*in **ODSC India (2019)**.
- 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).

- Scrapy TSA(2018): Twitter sentiment analysis for Scrapy Project. (built using Django).

Contributions

- CPython(2015): Got two patches merged: #25913, #25822.
- Python Express(2015-16): contributed to PSSI sponsored open source platform for conducting & managing Python workshops; with over 50 merged commits.
- Openbudgets.in(2016): contributor for CBGA driven open data portal for budgets in India.
- Staticman

- 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).**
- Workshop for Rural Students on Elementry Computer Education (2014).

PUBLICATIONS

👥Conference Proceedings

- Prajapat S., Porwal A., Jaiswal S., Saifee F., Thakur R.S. (2018) Generalized Parametric Model for AVK-Based Cryptosystem. In: Perez G., Mishra K., Tiwari S., Trivedi M. (eds) Networking Communication and Data Knowledge Engineering. Lecture Notes on Data Engineering and Communications Technologies, vol 4. Springer, Singapore. https://doi.org/10.1007/978-981-10-4600-1$_20$