

SWATI JAISWAL

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curioswati

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EXPERIENCE

Civic Tech Engineer | Full Stack

CivicDataLab

Oct 2018 - July 2020

Remote, India

• Technical Lead and Full Stack Dev

JusticeHub: An open data platform for legal data sharing with ~10 data contributors from various legal institutions across India.

CKAN | Python | Javascript | Bootstrap

• Data Engineer

eCourts ETL pipeline: A scalable ETL pipeline to scrape case law data from eCourts across ~300 district courts in India with ~1L cases updated on a daily basis. Scrapy | Apache Airflow | Pandas

Himachal Pradesh Fiscal Data Explorer: Scraping pipeline for 80k+ records updated on a daily basis from Himachal Pradesh's treasury accounts. Scrapy | Apache Airflow

Co-developed Analytical Dashboards for legal data related to Child Sexual Abuse in India. Apache Superset | Pandas

• Hiring, onboarding new team members, forming policies, preparing project proposals, interacting with partner organisations, writing blog posts etc.

Junior Python Developer

Scrapinghub

Jul 2017 - Jul 2018

Remote, Europe

• Developed Web Scraping solutions for our clients while tackling anti bot systems like Incapsula, Captcha, APIs, javascripts etc. Scrapy

Hacker Intern | Backend

Doselect

Jan 2017 - Mar 2017

Bengaluru, India

• Developed a webcam proctor for recruiting tests. openface | dlib | Google Vision API

• Wrote API for Doselect's programmer QA forum. TastyPie

• Built the test creation wizard for client companies' programming tests. Elasticsearch API | django-haystack

Backend Developer

Hashgrowth.com

Feb-May, Sept-Dec 2016

Indore, India

• Developed the bare-bone of the core platform including Authentication, Teams, on-boarding, scheduling, deployments and automation.

python-requests | BeautifulSoup | Falcon | Django | PostgreSQL | django-allauth | django-organizations | django-celery | Nginx | upstart | Ansible

OPEN SOURCE PROJECTS

- Sjdownloader(2014): Cross platform desktop based downloader wxpython
- Py-google-auth(2016): Headless implementation of Google web login (with 2FA). python-requests | BeautifulSoup | Falcon
- Cryptanalyzer(2016): A web application for comparing encryption algorithms' performance. Django | pycrypto | python-blowfish | nvd3
- IIPS mobile app(2015): Hybrid mobile app for college. Ionic | Express.js | PostgreSQL | Sequelize

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 Vivekanand 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).
- Workshop for Rural Students on Elementary Computer Education (2014).

MOST PROUD OF



Persistence I showed

to make it to the Outreachy May-Aug 2016 round.



Contributions I did

for creating a shared open data platform for legal data in India.

SKILLS

Programming

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

Data

Scraping, Parsing, Munging, Pipelining, Modeling, EDA, Basic Visualization • Requests, Scrapy, BeautifulSoup, PostgreSQL, Sqlite, Sequelize, Pandas, Apache Superset, 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, Unicorn, Ansible, Apache Airflow, Celery, PostgreSQL, wxpython, Sequelize, web hooks.

EDUCATION

M.Tech in Information Technology

Devi Ahilya University

Jul 2012 - Dec 2017

OPEN SOURCE 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 analysing budgets in India.
- Staticman

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)

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