SWATI JAISWAL

@ jaiswalswati94AtgmailDoTcom　　● Indore, India　　🌐 swatij.me　　🐦 @swati12jaiswal　　in curioswati　　 curioswati

EXPERIENCE

Software Engineer | Backend

Signeasy　　📅 May 2021 - Present　　● Bengaluru, India

- Refactored internal Microservices and migrated to their latest language versions.
- As a part of core platform team, I work on improving the overall architecture and remove performance bottlenecks as we scale.

Civic Tech Engineer | Full Stack

CivicDataLab　　📅 Oct 2018 - July 2020　　● Remote, India

- **Full Stack Engineer | CKAN , Python, Javascript, Bootstrap**
  JusticeHub: An open data platform for legal data sharing with ~10 data contributors from various legal institutions across India.
- **Data Engineer | Scrapy, Apache Airflow, Pandas, Apache Superset**
  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.
  Himachal Pradesh Fiscal Data Explorer: Scraping pipeline for **80k+ records** updated on a daily basis from Himachal Pradesh's treasury accounts.
  Co-develpoed **Analytical Dashboards** for legal data related to Child Sexual Abuse in India.
- 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

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 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).**
- Workshop for Rural Students on Elementry 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.

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, Apache Airflow, Celery, PostgreSQL, wxpython, Sequelize, web hooks.

Data

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

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$_2$0