SWATI JAISWAL

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EXPERIENCE

Senior Software Engineer | Backend
Signeasy   📅 May 2021 - Present   ● Bengaluru, India

- **Platform Engineer | Django , Flask, FastAPI, gin-gonic, MySQL, Docker**
  Worked on removing performance bottlenecks as we scale. This included re architecture of our existing Micro-services, writing new services from scratch and refactoring DB schema.
- **Integrations Engineer | Oauth2 SDKs, Google Drive, MS-Graph, AWS Lambda, SNS**
  Integrated document libraries such as Google Drive and Sharepoint for archiving files after signing from our product.

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**
  Wrote a scalable ETL pipeline to scrape case law data from eCourts across **~300 district courts** in India with **~1L cases** and for Himachal Pradesh Fiscal Data Explorer's **80k+ records** both updated on a daily basis.
  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, SQL, Golang.

Web/Mobile Dev
Web Application Architecture, Microservices Architecture, Server Setup, Automation ● Django, CKAN, Falcon (Rest APIs), Bootstrap, Flask, Gin, FastAPI, Tastypie, AngularJS, Express.js, Nginx, Gunicorn, Ansible, Apache Airflow, Celery, RDBMS, Sequelize, gorm, web hooks, Docker.

Data
Scraping, Parsing, Munging, Pipelining, Modeling, EDA, Basic Visualization ● Requests, Scrapy, BeautifulSoup, Sqlite, 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

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