

Sandeep Chauhan

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Summary I'm a Software Developer with 2-3 years volunteer experience of application development. I have major experience with Python and Django. I love to work remotely with global developers. I always welcome of the new technology based projects. I have good problem solving skills. I am a quick learner and passionate about scaling the applications.

Experience

Intern at [Spoonshot](#) (*Full-stack developer*)

May 2019 - Aug 2019

- Scaling and performance improvements of web crawlers implemented using Python/Django.
- Deployed a proxymanager for scraping framework on Django server with Redis.
- Dockerize the scraping framework and scale it with mongodb, celery workers and aws.
- Implement monitoring system with Grafana and influxdb.

Google Summer of Code Student

Apr 2018 - Aug 2018

- Python based implementation of [Hydra Client](#).
- Implemented Hydra Client with the datastore Redis which also works as a cache for Hydrus.
- Developed a web app using flask for hydra-client demo.

Open Source Contribution

[Hydra Ecosystem](#)

- **hydra-python-agent** One of the main contributor who have built this project. Implemented Redis as a graph database using redisgraph and Cypher. Also created a Docker env., write tests, use designing patterns and etc.
- **hydrus** Add UUID in database and also add auto documentation using sphinx and fix some easy issues.
- **hydra-astrodemo** Created a demo for hydra-client using flask which also using the hydra-parser and hydrus server.
- **http-apis.github.io** Write documentation for all the work done by me and also for some other projects related to my work.

Kivy

- Fixed issue to integrate plyer with android as expected.

Projects

- **Go Web App**

A Web app implemented with Golang using Redis as database having features routing, authentication, middleware, comments, error handling. It is a good reference for beginners because of its modules and good structure.

- **Reactjs Projects**

- Calculator
- router-sample
- friends_passion(Beginner-friendly project to iterate over json data)
- ReactSwapi_Api(React app to consume api and show data of swapi.co)

- **Friends**

An anonymous web chat app implemented with Python, Django, Reactjs with database sqlite3 have some great functionalities like authentication, public and private groups(without showing users name), API's, messaging/posting, API's data presenting using Reactjs.

- **Social Networking**

A blogpost web app which implemented using Python, Django and PostgreSQL as a database having features like authentication, manage profiling, blogs posting (with date and name). It is live or deployed on heroku.

- **Some small projects to become familiar with these technologies**

- Implement Redis with flask.
- Snake game based on pygame.
- Some simple apps based on kivy plyer.
- A simple kit-kat game using python.

Education

- **Bachelor of Technology(2016-Present)**

Shri Mata Vaishno Devi University, katra, India

Miscellaneous

- Student Coordinator at The CodeClub, SMVDU.
- Conduct and organize the various workshops, and programs like SFD.

Skills

Backend Development: Python(Django, Flask), Golang

Frontend Development: React.js, HTML and CSS, JS

Databases: PostgreSQL, MySQL, Redis, MongoDB, sqlite

Operating System: Linux(ubuntu)

Other tools: Git, Bash, Docker, Celery, RabbitMQ, Grafana, influxdb, AWS