

# Sandeep Chauhan

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

## Experience

**Part-time Contract at [Remote Inning](#)** (*Full-stack developer*)

*Jan 2020 - April 2020*

- Developed the backend APIs with the JWT Authentication for a single-tenant and multi-tenant architecture applications.
- Integrate Wagtail CMS with a static site template, create its models, templates, templatetags and etc.
- Upgrade the cookiecutter-django-foundation with the foundation site's version.

**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 systems 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 contributors 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.

## Projects

- **Wagtail-centrarium**  
Portfolio site, using a static template(centrarium), with the great Wagtail CMS features. Portfolio sites can be generated in less than 2 mins with the help of this project.
- **Go Web App**  
A Web app implemented with Golang using Redis as a 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), API's, messaging/posting, API's data presenting using Reactjs.
- **Social Networking**  
A blogpost web app which is 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.

## Education

- **Bachelor of Technology**(2016-2020(expected))  
*Shri Mata Vaishno Devi University, katra, India*

## Miscellaneous

- Student mentor/guide at The CodeClub, SMVDU.

## Skills

**Backend Development:** Python(Django, Wagtail), Golang

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

**Databases:** PostgreSQL, MySQL, Redis, Mongoddb, sqlite

**Operating System:** Linux(ubuntu)

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