


KUMAR AKSHAY

in: kakshay21 · : kakshay21 · k.akshay9721@gmail.com · +918120905229 · Bangalore, IN

ABOUT ME

Language	Python, Ruby, C/C++
Technology/Platform	Django, Ruby on Rails, Docker, Kubernetes, AWS, GCP
Open Source Contribution	Plone , CPython
MOOC	Algorithms , Parallel Programming , Machine Learning , Neural Networks ,

EXPERIENCE

SDE-1	HackerRank	Jul 2019 — present
--------------	-------------------	--------------------

- Improved search results of question library by 30%. Also improved the latency by restructuring API endpoints by 10%.
- Ownership of 3 different services that involve working with different languages and developing/improving features now and then.
- Took initiative in setting up CI/CD on Kubernetes for a new microservice to unblock teammates ahead of time while also working on different set of features.
- **Leveraged Knowledge:** Docker, Kubernetes, Elasticsearch, Ruby on Rails, Python, AWS.

Mentor	Google Summer of Code (PSF)	May 2019 — Aug 2019
---------------	------------------------------------	---------------------

- Responsibility involves conducting biweekly sync-up, reviewing pull requests, guiding and helping in debugging the problem which student faces along the way.
- **Leveraged Knowledge:** Rust, Guillotina, Asyncio.

INTERNSHIPS

SDE, Intern	HackerRank	Dec 2018 — Feb 2019
--------------------	-------------------	---------------------

- Implemented Jaccard-similarity, sliding-window version of Levenshtein-distance and tf-idf to improve the accuracy of an internal tool by 23%.
- Added test case validation API endpoint for all data structures in the code-generator that minimized unintentional errors in test cases of custom questions created by other companies in HackerRank.
- **Leveraged Knowledge:** Jaccard Similarity, TF-IDF, DSL, Design Pattern, System Design, PHP.

Participant	Google Summer of Code (Plone Foundation)	Apr 2018 — Aug 2018
--------------------	---	---------------------

- Improved unit test coverage by 6.66% and 2% in plonecli and bobtemplates.plone resp.
- Project Report: [Plonecli Wiki](#), also voted as one of the most popular plone package at Plone Conf'18
- **Leveraged Knowledge:** Python debugger, Unit-testing, Integration testing, Plone development.

PROJECTS

 github.com/kakshay21

GObject

- Implemented a persistence data layer to store transactional objects in rocksDB to reduce memory footprint in [Guillotina](#) which communicates using gRPC.
- **Used:** Rust, gRPC, rocksDB, Python Asyncio, Guillotina.

Verify Email

- Started this project to experiment with different concurrency in python which ended up becoming a [pip package](#) which is being used by [many folks](#).
- **Used:** Python, Asyncio, Multiprocessing.

EDUCATION

Shri G.S. Institute of Technology and Science	Indore, IN
Bachelor of Engineering in Electronics and Telecommunication	Grad: June 2019

CONFERENCE TALKS

Plone Conference 2018	Nov 2018
Gave a talk on GSoC improvements on plonecli in the Plone Conference 2018 held at Tokyo.	