# Kumar Akshay

Bangalore, India

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## Skills

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|---|---|
| **Language** | Python, Ruby, C/C++, PHP |
| **Framework/Technology** | Django, Ruby on Rails, Docker, Kubernetes, AWS, GCP |
| **Open Source** | Plone, CPython, Rspamd, Verify Email |
| **MOOC** | Algorithms, Parallel Programming, Machine Learning, Neural Networks, |

## Experience

**HackerRank**                                                                                      *Bangalore, India*
SOFTWARE DEVELOPMENT ENGINEER                                                          *July 2019 - present*
- Improved search results of question library by 30%. Later, worked on improving its 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.

**Python Software Foundation**                                                                              *Remote*
MENTOR                                                                                      *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, gRPC, RocksDB, Guillotina, Asyncio, Python.

## Internships

**HackerRank**                                                                                      *Bangalore, India*
SDE, INTERN                                                                                 *May 2019 - Aug 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 in customer created questions.
- **Leveraged Knowledge:** Jaccard Similarity, TF-IDF, DSL, Design Pattern, System Design, PHP

**Google Summer of Code**                                                                                  *Remote*
PLONE FOUNDATION                                                                           *Apr 2018 - Aug 2018*
- Improved unit test coverage by 6.66% and 2% in plonecli and bobtemplates.plone resp.
- Voted as one of the most popular plone package at Plone Conf'18, project report: plonecli wiki
- **Leveraged Knowledge:** Python debugger, Unit-testing, Integration testing, Plone development.

**HealthifyMe**                                                                                     *Bangalore, India*
SOFTWARE ENGINEER, INTERN                                                                  *Dec 2017 - Jan 2018*
- Implemented a scalable word cloud generator service for users on their food consumption pattern (0.5M hits in a week).
- **Leveraged Knowledge:** Git, Django, API design, Unit Tests, AWS Lambda.

## Education

**Shri GS Institute of Technology and Science**                                                     *Indore, India*
BACHELOR OF ENGINEERING IN ELECTRONICS AND TELECOMMUNICATION                               *July 2015 - May 2019*

## Conference Talks

**Plone Conference**                                                                                *Tokyo, Japan*
GSOC PARTICIPANT                                                                                           *Nov 2018*
- Gave a talk on GSoC improvements on plonecli