

KUMAR AKSHAY

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WORK EXPERIENCE

HackerRank

Software Development Engineer, Intern

Bangalore, IN
Dec 2018 — present

- 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 end point for all data structures in the code-generator that minimized unintentional errors in custom test cases added by other companies.
- **Leveraged Knowledge:** Jaccard Similarity, TF-IDF, AWS Lambda, Design Pattern, System Design.

Google Summer of Code 18

Student Developer at Plone Foundation

Apr 2018 — Aug 2018

- Improved unit test coverage by 6.66% and 2% in plonecli and bobtemplates.plone resp.
- Voted as the most popular plone packages at Plone Conf 18, project report is available at [plonecli wiki](#)
- **Leveraged Knowledge:** Python debugger, mr.bob, Plone development, unit tests, documentation.

Gensim (Topic Modelling for Humans)

Open Source Project

Dec 2017 — Feb 2018

- Minimized processing time by 4x in word2vec pipeline after caching common words in dictionary.
- Achieved better results on Spearman and Pearson evaluation tasks against doc2vec and sent2vec.
- **Leveraged Knowledge:** Python generators, decorators, Gensim, API design, Benchmarking Features.

HealthifyMe

Software Engineer, Intern

Bangalore, IN
Dec 2017 — Jan 2018

- Automated sales team work by implementing a dashboard in Django for user related work.
- Improved email validation API's accuracy in the false negative score and reduced processing time by 64% from the previous version which impacted 30 thousand users out of 2.5 million users.
- **Leveraged Knowledge:** Git, Django, API design, Unit Tests, GCP BigQuery, AWS Lambda.

Zoodify Labs

Software Engineer, Intern

Bangalore, IN
Jun 2017 — Jul 2017

- Implemented Progressive Web App with Google LightHouse score of 92 and added Push notification using Firebase Cloud Functions.
- Configured deployment setup for the intern team using AWS CodePipeline, CodeCommit and EC2.
- **Leveraged Knowledge:** AWS Gateway, Lambda, CodeCommit, Pipelines and Firebase.

Contributor: Plone, CPython, gRPC

PROJECTS

Portfolio Website: <http://kakshay.me/>

 github.com/kakshay21

Verify Email

- Implemented a multithreaded python library to verify emails and it's available as a [pip package](#).
- **Used:** Python, multithread, multiprocessing, dns.resolver, smtplib.

Raipur Hackathon

- Developed a Django based Webapp to track reviews and rating of nearby cleaned public toilets.
- **Used:** Python, Django, tastypie, JQuery, ChartJs, Google Maps API.

Aayaam (College event)

- Received 4.8/5 rating from 150+ registered students for the treasure hunt game.
- **Used:** PHP, MYSQL, Amazon Web Services EC2.

EDUCATION

Shri G.S. Institute of Technology and Science

Bachelor of Engineering in Electronics and Telecommunication

Indore, IN
Grad: Jun 2019

CONFERENCE TALKS

Plone Conference 2018

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

Nov 2018

SKILLS

Technical Skills

Proficient: Python, C/C++ **Familiar:** PHP, Django

MOOCs

[Algorithms](#), [Parallel Programming](#), [Machine Learning Foundation](#), [Neural Networks](#)