

# KUMAR AKSHAY

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## ABOUT ME

<b>Technical Skills</b>	<b>Proficient:</b> Python, C/C++, Git <b>Familiar:</b> PHP, Swift, Django, HTML/CSS
<b>MOOCs</b>	<u>Algorithms</u> , <u>Parallel Programming</u> , Google Skill India Scholarship, <u>Machine Learning Foundation</u> , <u>Neural Networks and Deep Learning</u>
<b>Interests</b>	Distributed Systems, Concurrency, Machine Learning

## EXPERIENCE

### Google Summer of Code

*Student Developer at Plone Foundation*

Apr 2018 — Aug 2018

- Implemented several essential subtemplates like content\_type, viewlet, view, portlet.
- Improved unit test coverage by 6.66% and 2% for plonecli and bobtemplates.plone resp.
- Complete project report is available at [Plonecli Wiki](#)
- **Leveraged Knowledge:** Python debugger, Plone, unit tests, documentation.

### 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 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.
- Implemented data pipelines to optimize query read time for Data Science team by migrating tables to Google BigQuery.
- **Leveraged Knowledge:** Git, Django, API design, Unit Tests, Celery, RabbitMQ, GCP BigQuery.

### Gensim (Open Source NLP Library)

*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 debugger, Gensim, API design, Benchmarking Features, NLP.

### 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.
- Compressed the image that is uploaded from iOS devices by 90% which increased storage space.
- **Leveraged Knowledge:** Swift, iOS, AWS Gateway, Lambda fn, CodeCommit, Pipelines and Firebase.

## PROJECTS

*Personal Website: <http://kakshay.me/>*

 [github.com/kakshay21](https://github.com/kakshay21)

### Verify Email

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

### Aayaam (College event)

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

### 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, Git.

## EDUCATION

### Shri G.S. Institute of Technology and Science

Bachelor of Engineering in Electronics and Telecommunication

Indore, IN

Grad: Jun 2019

Courses: Data Structures, Operating Systems, Algorithms, Computer Networks

## CONFERENCE/MEETUP TALKS

### Plone Conference 2018

Going to present Google summer of Code project to Plone developers.

Tokyo, JP

### Mozilla Community Indore

Gave a talk on Git and Open Source.

Indore, IN