

# KUMAR AKSHAY

[kakshay.me](http://kakshay.me) · [k.akshay9721@gmail.com](mailto:k.akshay9721@gmail.com) · +918120905229 · Indore, IN

## EDUCATION

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

B.E in Electronics and Telecommunication Engineering

Courses: Data Structures, OS, Algorithms, Digital Electronics, Analog Electronics

Indore, India

Grad: Jun 2019

## EXPERIENCE

### Google Summer of Code

*Student Developer at Plone Foundation*

Apr 2018 — Aug 2018

- Implemented several essential subtemplates like `content_type`, `viewlet`, `view`, `portlet`.
- Added cross-platform support for localization of addon package and `mrbbob` global configuration.
- Improved unit test coverage by 6.66% and 2% for `plonecli` and `bobtemplates.plone` resp.
- Complete project report can be found at [Plonecli Wiki](#)

### Rare-Technologies (based in Russia)

*Student Incubator Program*

Remote

Dec 2017 — Apr 2018

- Minimized processing time by 4x in `word2vec` pipeline after caching common words.
- Implemented word mover distance to study contextual similarity between two sentences.
- Implemented smooth inverse frequency, averaging of word vectors and averaging with TF-IDF weights to make sentence embedding from a pre-trained `word2vec` model.
- Achieved better results on Spearman and Pearson evaluation tasks against `doc2vec` and `sent2vec`.

### HealthifyMe

*Software Engineer Intern*

Bangalore, IN

Dec 2017 — Jan 2018

- Automated sales team work by implementing a dashboard for user related work.
- Improved email validation service in the false negative score and reduced time by 83% from the previous version which impacted 30 thousand users out of 2.5 million users.
- Implemented ETL pipelines to optimize query's read time for Data Science team by migrating tables to Google BigQuery.

### Zoodify Labs

*Software Engineer Intern*

Bangalore, IN

Jun 2017 — Jul 2017

- Implemented Progressive Web App in Vuejs 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.

## SKILLS

Programming Languages:	Python, C++, C
Frameworks/Libraries/Tools:	Git, Plone, Django, AWS, GCP, Firebase
MOOCs :	<a href="#">Algorithm Toolbox</a> , <a href="#">Parallel Programming</a> , Google India Scholarship <a href="#">Machine Learning Foundation</a> , <a href="#">Neural Networks and Deep Learning</a>

## PROJECTS

<b>Verify Email</b> <i>python, multiprocessing, threading</i>	<a href="#">github</a>
<a href="#">Open source python package</a> to verify emails with multithread and multiprocesses support.	
<b>Raipur Hackathon</b> <i>python, django</i>	<a href="#">github</a>
Review system for public toilets of Raipur with visualizations on usage and reviews.	
<b>Aayaam</b> <i>php</i>	<a href="#">github</a>
Deployed treasure hunt game on AWS, in which 150 students registered for the event.	

## POSITION OF RESPONSIBILITY

### Member of Developer Team at Plone Foundation

Feb 18 — Present

Responsibility involves reviewing PRs and maintaining `plonecli` and `bobtemplates.plone`.

### Head of Developer team at SGSITS Robotics Club

Nov 17 — Present

Gave talk on open source, Git, ML and conducted workshops and several robotics competitions.