

# KUMAR AKSHAY

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## WORK EXPERIENCE

<b>SDE, Intern</b>	<b>HackerRank</b>	Dec 2018 — Feb 2019
<ul style="list-style-type: none"><li>Implemented jaccard-similarity, sliding-window version of levenshtein-distance and tf-idf to improve the accuracy of an internal tool by 23%.</li><li>Added test case validation API end point for all data structures in the code-generator that minimized unintentional errors in test cases of custom questions added by other companies in HackerRank for Work.</li><li><b>Leveraged Knowledge:</b> Jaccard Similarity, TF-IDF, DSL, Design Pattern, System Design.</li></ul>		
<b>Plone Foundation</b>	<b>Google Summer of Code</b>	Apr 2018 — Aug 2018
<ul style="list-style-type: none"><li>Improved unit test coverage by 6.66% and 2% in plonecli and bobtemplates.plone resp.</li><li>Voted as the most popular plone packages at Plone Conf 18, project report is available at <a href="#">plonecli wiki</a></li><li><b>Leveraged Knowledge:</b> Python debugger, mr.bob, Plone development, unit tests, documentation.</li></ul>		
<b>Open Source Project</b>	<b>Gensim</b>	Dec 2017 — Feb 2018
<ul style="list-style-type: none"><li>Minimized processing time by 4x in word2vec pipeline after caching common words in dictionary.</li><li>Extended word2vec functionality by implementing smooth-inverse-frequency and tf-idf methods to find sentence embedding which performed better in several evaluation tasks against doc2vec and sent2vec.</li><li><b>Leveraged Knowledge:</b> Python generators, decorators, Gensim, API design, Benchmarking Features.</li></ul>		
<b>Software Engineer, Intern</b>	<b>HealthifyMe</b>	Dec 2017 — Jan 2018
<ul style="list-style-type: none"><li>Automated sales team work by implementing a dashboard in Django for user related work.</li><li>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.</li><li><b>Leveraged Knowledge:</b> Git, Django, API design, Unit Tests, GCP BigQuery, AWS Lambda.</li></ul>		
<b>Software Engineer, Intern</b>	<b>Zoodify Labs</b>	Jun 2017 — Jul 2017
<ul style="list-style-type: none"><li>Implemented Progressive Web App with Google LightHouse score of 92 and added Push notification using Firebase Cloud Functions.</li><li><b>Leveraged Knowledge:</b> AWS Lambda, AWS Pipeline, AWS EC2, Firebase, Vue.Js.</li></ul>		

## PROJECTS

Portfolio: [kakshay21.github.io](#)

 [github.com/kakshay21](#)

### Verify Email

- Implemented a multithreaded python library to verify emails which is available as a [pip package](#).
- Used:** Python, multithread, multiprocessing, 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 4.5/5 rating from 150+ registered students for the treasure hunt game.
- Used:** PHP, MYSQL, Amazon Web Services EC2.

## EDUCATION

<b>Shri G.S. Institute of Technology and Science</b>	Indore, IN
Bachelor of Engineering in Electronics and Telecommunication	Grad: Jun 2019

## CONFERENCE TALKS

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

## SKILLS

<b>Languages</b>	Python, C/C++, PHP
<b>Technologies/Frameworks</b>	Django, Plone, Gensim (NLP), Git, AWS, Firebase, GCP
<b>Open Source Contributor</b>	<a href="#">Plone</a> , <a href="#">Python</a>
<b>MOOCs</b>	<a href="#">Algorithms</a> , <a href="#">Parallel Programming</a> , <a href="#">Machine Learning Foundation</a> , <a href="#">Neural Networks</a> ,
<b>Interest</b>	Open Source Technologies, Distributed Computing, Machine Learning