

# KUMAR AKSHAY

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## ABOUT ME


<b>Technical Skills</b>	<b>Proficient:</b> Python, C/C++, Git <b>Familiar:</b> PHP, 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




## INTERNSHIP EXPERIENCE

<b>HackerRank</b> <i>Software Development Engineer, Intern</i>	Bangalore, IN Dec 2018 — present
<ul style="list-style-type: none"><li>Used my contributed feature from gensim library to improve the accuracy of an internal tool by 23%.</li><li>Redesigned the architecture and code base with adapter design pattern which not only reduced error rate but also saved around \$150/year on AWS lambda cost due to performance improvements of 68%.</li><li><b>Leveraged Knowledge:</b> Jaccard Similarity, TF-IDF, AWS Lambda, SQS, Design Pattern.</li></ul>	
<b>HealthifyMe</b> <i>Software Engineer, Intern</i>	Bangalore, IN 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>Zoodify Labs</b> <i>Software Engineer, Intern</i>	Bangalore, IN 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>Configured deployment setup for the intern team using AWS CodePipeline, CodeCommit and EC2.</li><li><b>Leveraged Knowledge:</b> AWS Gateway, Lambda fn, CodeCommit, Pipelines and Firebase.</li></ul>	

## OPEN SOURCE EXPERIENCE

<b>Google Summer of Code</b> <i>Student Developer at Plone Foundation</i>	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>Gensim (Topic Modelling for Humans)</b> <i>Open Source Project</i>	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>Achieved better results on Spearman and Pearson evaluation tasks against doc2vec and sent2vec.</li><li><b>Leveraged Knowledge:</b> Python generators, decorators, Gensim, API design, Benchmarking Features.</li></ul>	

PROJECTS Portfolio Website: <http://kakshay.me/>  [github.com/kakshay21](https://github.com/kakshay21)

<b>Raipur Hackathon</b> 
<ul style="list-style-type: none"><li>Developed a Django based Webapp to track reviews and rating of nearby cleaned public toilets.</li><li><b>Used:</b> Python, Django, tastypie, JQuery, ChartJs, Google Maps API, Git.</li></ul>
<b>Verify Email</b> 
<ul style="list-style-type: none"><li>Implemented a python library to verify emails and it's available as a <a href="#">pip package</a>.</li><li><b>Used:</b> Python, multithread, multiprocessing, dns.resolver, smtplib.</li></ul>
<b>Aayaam (College event)</b> 
<ul style="list-style-type: none"><li>Received 4.8/5 rating from 150+ registered students for the treasure hunt game.</li><li><b>Used:</b> PHP, MYSQL, Amazon Web Services EC2.</li></ul>

## EDUCATION

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