

KUMAR AKSHAY


in ·  · k.akshay9721@gmail.com · +918120905229 · Indore, IN

WORK EXPERIENCE

SDE, Intern	HackerRank	Dec 2018 — Feb 2019
<ul style="list-style-type: none">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 test cases of custom questions added by other companies in HackerRank for Work.Leveraged Knowledge: Jaccard Similarity, TF-IDF, DSL, Design Pattern, System Design.		
Plone Foundation	Google Summer of Code	Apr 2018 — Aug 2018
<ul style="list-style-type: none">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 wikiLeveraged Knowledge: Python debugger, mr.bob, Plone development, unit tests, documentation.		
Open Source Project	Gensim	Dec 2017 — Feb 2018
<ul style="list-style-type: none">Minimized processing time by 4x in word2vec pipeline after caching common words in dictionary.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.Leveraged Knowledge: Python generators, decorators, Gensim, API design, Benchmarking Features.		
Software Engineer, Intern	HealthifyMe	Dec 2017 — Jan 2018
<ul style="list-style-type: none">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.		
Software Engineer, Intern	Zoodify Labs	Jun 2017 — Jul 2017
<ul style="list-style-type: none">Implemented Progressive Web App with Google LightHouse score of 92 and added Push notification using Firebase Cloud Functions.Leveraged Knowledge: AWS Lambda, AWS Pipeline, AWS EC2, firebase, Vue.Js, Swift.		

PROJECTS

Portfolio: <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, 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

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

CONFERENCE TALKS

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

SKILLS

Languages	Python, C/C++, PHP
Technologies	Git, AWS, Firebase, Django, Plone
Open Source Contributor	Plone , Python , RaRe-Technologies
Competitive Programming	HackerRank , Codeforces , CodeChef
MOOCs	Algorithms , Parallel Programming , Machine Learning Foundation , Neural Networks