

KUMAR AKSHAY

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EDUCATION

Shri G.S. Institute of Technology and Science

Indore, India

B.E in Electronics and Telecommunication Engineering

Grad: July 2019

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

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)

Remote

Student Incubator Program

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

Bangalore, IN

Software Engineer Intern

Dec 2017 — Jan 2018

- Automated sales team work by implementing a dashboard users related work.
- Improved email validation service in 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

Bangalore, IN

Software Engineer Intern

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 :	Algorithm Toolbox , Parallel Programming , Google India Scholarship Machine Learning Foundation , Neural Networks and Deep Learning

PROJECTS

Verify Email <i>python, multiprocessing, threading</i>	github
Open source python package to verify emails with multithread and multiprocesses support.	
Raipur Hackathon <i>python, django</i>	github
Review system for public toilets of Raipur with visualizations on usage and reviews.	
Aayaam <i>php</i>	github
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.