

KUMAR AKSHAY

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

EDUCATION

Shri G.S. Institute of Technology and Science

Indore, India

B.E in Electronics and Telecommunication Engineering

Grad: Jun 2019

Courses: Data Structures, Operating Systems, Algorithms, Analog Electronics

EXPERIENCE

Google Summer of Code

Remote

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 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

Bangalore, IN

Software Engineer Intern

Jun 2017 — Jul 2017

- Implemented Progressive Web App 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 *python, multiprocessing, threading* [github](#)

[Open source python package](#) to verify emails with multithreading and multiprocessing support.

Aayaam (College event) *php* [github](#)

150+ students registered for the treasure hunt game which was deployed on AWS EC2 instance and gave a average rating of 4.8/5.

Raipur Hackathon *python, django* [github](#)

Review system for public toilets which locates nearest public toilets with visualization on usage and reviews.

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

Mentored in several projects and organized workshops and robotic competitions.