

KUMAR AKSHAY

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EDUCATION

Shri G.S. Institute of Technology and Science

B.E in Electronics and Telecommunication Engineering

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

Indore, India

Grad: July 2019

EXPERIENCE

Google Summer of Code

Student Developer at Plone Foundation

Apr 2018 — Aug 2018

- Implemented several essential subtemplates like `content_type`, `viewlet`, `view`, `portlet` and improve the existing ones.
- Add cross platform support for localization of addon package and `mrjob` 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 — April 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 result on Spearman and Pearson evaluation tasks against `doc2vec` and `sent2vec`.

HealthifyMe

Bangalore, IN

Software Engineer Intern

Dec 2017 — Jan 2018

- Reduced sales team work by implementing a dashboard with logging functionality to send invoice emails and users related work.
- Improved an email validator accuracy and reduced time by 83% from the previous version by updating dependent libraries, adding multi-thread support and caching DNS lookup results.
- Implemented real-time data pipelines to optimize read time of query 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.
- Reduced the image size that is uploaded from iOS devices by 90% which increased the number of uploaded images.

SKILLS

Programming Languages:	Python, C++, C
Frameworks/Libraries/Tools:	Git, Plone, Django, AWS, GCP, Firebase
MOOCs :	Machine Learning Foundation , Neural Networks and Deep Learning , Parallel Programming in Java , Google India Challenge Scholarship

PROJECTS

Verify Email *python, multiprocessing, threading*

[github](#)

Library with multithreaded and multiprocessing support and available as [python package](#) to verify emails.

Raipur Hackathon *python, django*

[github](#)

Review system for public toilets of Raipur with visualizations on usage and reviews.

Aayaam *php*

[github](#)

Deployed FoxHunter on AWS, in which 150 students registered for the event.

Security Automation *python, opencv*

[github](#)

Implemented a tool which detects the presence of any person and records the time.

Halite.ai *python*

[github](#)

Implemented an AI bot which ranked 1340 out of around 15000 participants, worldwide.