

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.org

Remote

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 `mrbbob` global configuration.
- Improved unit test coverage from 83% to 90% for `bobtemplates.plone` and 100% inside the generated package.

Rare-Technologies (based in Russia)

Rare Student Incubator Program

Remote

Dec 2017 — April 2018

- Minimized processing time by 4x, after caching common words in a dictionary.
- 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 Pearson and TREC evaluation tasks against Doc2vec and Sent2vec.

HealthifyMe

Software Engineer Intern

Bangalore, IN

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 two versions of ETL(Extract Transform and Load) service to make complex SQL query possible for Data Science team by migrating it to Google BigQuery.

Zoodify Labs

Software Engineer Intern

Bangalore, IN

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 ,

PROJECTS

Verify Email *python, multiprocessing, threading*

[kakshay21/verify_email](https://github.com/kakshay21/verify_email)

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

Raipur Hackathon *python, django*

[kakshay21/Hackathon3.0](https://github.com/kakshay21/Hackathon3.0)

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

Aayaam *php*

[kakshay21/AAYAM](https://github.com/kakshay21/AAYAM)

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

Security Automation *python, opencv*

[kakshay21/OpenCV](https://github.com/kakshay21/OpenCV)

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

Halite.ai *python*

[kakshay21/halite.io](https://github.com/kakshay21/halite.io)

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