

KUMAR AKSHAY

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ACHIEVEMENTS

- Selected as one of 1,264 students worldwide for **Google Summer of Code 18**.
- Selected as one of 5,000 developers nationwide for **Google Skill India Scholarship** program.
- Selected as one of 12 students in **World Skills India** (North Zone) in 2018.
- Top 1% in **Andhra Pradesh Board Exam 2015** out of 0.5 million students.

SKILLS

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

EXPERIENCE

Google Summer of Code

Student Developer at Plone Foundation

Apr 2018 — Aug 2018

- Implemented several essential subtemplates like `content_type`, `viewlet`, `view`, `portlet`.
- Improved unit test coverage by 6.66% and 2% for `plonecli` and `bobtemplates.plone` resp.
- Complete project report is available at [Plonecli Wiki](#)

HealthifyMe

Software Engineer Intern

Bangalore, In

Dec 2017 — Jan 2018

- Automated sales team work by implementing a dashboard in Django for user related work.
- Improved email validation API in the false negative score and reduced processing time by 83% from the previous version which impacted 30 thousand users out of 2.5 million users.
- Implemented ETL pipelines to optimize query read time for Data Science team by migrating tables to Google BigQuery.

Rare-Technologies (based in Russia)

Open Source Project

Dec 2017 — Feb 2018

- Minimized processing time by 4x in `word2vec` pipeline after caching common words in 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 results on Spearman and Pearson evaluation tasks against `doc2vec` and `sent2vec`.

Zoodify Labs

Software Engineer Intern

Bangalore, In

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.

EDUCATION

Shri G.S. Institute of Technology and Science

B.E in Electronics and Telecommunication Engineering

Indore, India

Grad: Jun 2019

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

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 an 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.