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: July 2019

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

Experience

Google Summer of Code
Student developer at Plone.org — 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 mrbob global configuration.
- Improved unit test coverage by 6.66% and 2% for plonecli and bobtemplates.plone resp.

Rare-Technologies (based in Russia) — Remote
Rare Student Incubator Program — 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 — 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 multiprocess 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.