

EDUCATION

- **Shri G.S. Institute of Technology and Science** Indore, India
• *B.E in Electronics and Telecommunication Engineering* July. 2015 – July. 2019
Courses: Data Structures, OS, Introduction to Algorithms, Microprocessor, Analog Electronics

SKILLS

- **Languages:** Python, C/C++
- **Technologies:** Git, Django, Plone, AWS, GCP, Firebase, Gensim
- **MOOCs:** Algorithm Toolbox, [Machine Learning Foundation](#), [Neural Networks and Deep Learning](#), [Parallel Programming in Java](#), Google India Challenge Scholarship, [Introduction to Computer Science](#).

EXPERIENCE

- **Google Summer of Code** April 2018 - Present
• *Plone.org*
 - **Features:** Implemented subtemplates like content type, indexers, viewlet, view, portlet etc. and improved existing ones.
 - **Test Coverage:** Improved test coverage for the packages as well as for bobtemplates.plone and plonecli.
- **Rare-Technologies** Dec 2017 - April 2018
• *Rare Student Incubator Program*
 - **Word2vec pipeline:** Minimized processing time by 4x, after caching common words in dictionary.
 - **Sentence Embedding:** Implemented smooth inverse frequency, averaging of word vectors and averaging with TF-IDF weights to make sentence embedding from a pre-trained word2vec model.
 - **Result:** Achieved better result on Spearman, Pearson, TREC and SUBJ evaluation tasks against Doc2vec and Sent2vec.
- **HealthifyMe** Dec 2017 - Jan 2018
• *Software Engineer Intern* *Bangalore, India*
 - **Django:** Reduced sales team work by implementing a dashboard with logging functionality to send invoice emails and users related work.
 - **Email Validator:** 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.
 - **ETL Service:** 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** Jun 2017 - Jul 2017
• *Software Engineer Intern* *Bangalore, India*
 - **AWS:** Reduced deployment time by integrating AWS CodeCommit and AWS CodeDeploy with zero downtime.
 - **Firebase:** Implemented Progressive Web App in Vuejs with Google LightHouse score of 92 and added Push notification using Firebase Cloud Functions.
 - **iOS:** Reduced the image size that is uploaded from iOS devices by 90% which increased the number of uploaded images.

PROJECTS

There are several other interesting projects at <http://github.com/kakshay21>

- **Verify Email:** library with multithreaded and multiprocess support and available as [python package](#) to verify emails.
- **Raipur Hackathon:** Review system for public toilets of Raipur with visualizations on usage and reviews.
- **Aayaam:** Deployed FoxHunter on AWS, in which 150 students registered and enjoyed the game without any glitch.
- **Security Automation:** Implemented a tool which detects the presence of any person and records the time.
- **Halite.ai:** Implemented an AI bot which ranked 1340 out of around 15000 participants, worldwide.
- **Google Firebase Hackathon:** Integrated Firebase Auth, push notification and Web hosting in Web and iOS app.