

# Piyush Agrawal

<http://ipiyush.com>  
me@ipiyush.com | +919818325292

## EDUCATION

### BVCOE, NEW DELHI

UNDERGRAD IN INFORMATION  
TECHNOLOGY

Expected July 2019 | Cum. GPA: 8.4

## LINKS

Github:// [poush](#)

LinkedIn:// [poush](#)

Twitter:// [@mepoush](#)

Skype:// [mepiyush13](#)

## SKILLS

### Problem Solving

Have a curious mind to create solution for desired results. Can integrate several platforms with minimum learning curve.

### Programming

Python, Javascript, C++, Go, MySQL, React, Electron, Computer Vision, General Adversarial Networks, Laravel, API Development, Software Architecture.

### Cloud Platforms

Heroku, Google Cloud (Kubernetes), DigitalOcean, AWS, Vagrant, Docker, Terraform. Used multiple platforms on a single application to make it cost efficient.

## COURSEWORK

### Undergrad:

Data Structure

Operating Systems

Artificial Intelligence

DBMS

## PARTICIPATIONS

- Participated in HackMIT by MIT University with travel sponsorship

- Participated in Alexa Life Hacks Challenge

- Started Outreachy participation in Campus

- Mozilla Campus Club Captain

- Organized several local meetups for RGSoc and GSoc applications.

## EXPERIENCE

### FOSSASIA

#### GOOGLE SUMMER OF CODE & CODE-IN MENTOR

Nov 2017 – Present

- Mentoring Google Summer of Code and Code-in students under FOSSASIA Organization.

#### GOOGLE SUMMER OF CODE'17 STUDENT

May 2017 – Aug 2017

- Worked on decoupling the project open-event-orga-server. Wrote the APIs in JSON spec from scratch with API blueprint, Dredd testing, unit testing, kubernetes deployment.

#### ICMR | SOFTWARE DEVELOPER - PROJECT GRANT

Nov 2017 – Aug 2018 | New Delhi, India

- Received a project grant from AICTE and Indian Council of Medical Research to create India's first online repository for medical research equipment. This project was a part of our win at Smart India Hackathon 2017. All code was reviewed, perfected, and pushed to production.

## PROJECTS

- **Sketch2Code** - An A.I. converting sketches into UI. This project is based on a Neural Network that is fed with a sketch of the UI. The output of the network is Mobile UI object after performing compound and overlapping check.

**DonorFu** - A project that won \$17500 from Facebook Dev Community Challenge is a messenger and a talking bot over phone call to connect potential donors with blood requester.

**H2** - An Electron.js app that is using the 'picture-on-picture' mode to provide a productive experience for desktop users.

**GitPress** - A published Alexa Skills built on node.js and consuming around 20 APIs of GitHub. It provides the developers with the features of monitoring their issues and PRs from their Alexa device directly.

**Auto Server** - A project with an aim to create a 'ready-to-install' image of Ubuntu which will have all features for a Developer/Researcher to remotely connect his physical systems and with pre-installed services and servers that are generally required by Devs and Researchers.

## RESEARCHES

### AUTOMATED MUSIC GENERATION USING LSTM

Music composition has been an interesting and active area of research in Machine Learning. In this paper we worked on generating music through LSTM(Long Short-Term Memory) based Recurrent neural network.

## AWARDS

- Facebook Dev Community Challenge, Global Bonus Winner, First in India. Prize of \$17500.
- Smart India Hackathon 17. Also Received a project grant on winning.
- Was under Top 2 Finalist in IndiaSkills 2016 for WorldSkills 2017. Received Bronze by Hon'ble Minister of Skill Development in Nationals.