

# VARUN KUMAR

## SOFTWARE DEVELOPER

## Employment

### JIG-SAW INC.

Software Developer

Tokyo, Japan  
Aug. 2019 to Current

- Developed the frontend of our web console for IoT device monitoring and management using ReactJS.
- Worked on the backend using Python and AWS services including Lambda Function, Step Function, EC2, CloudWatch, RDS, and DynamoDB to build and maintain cloud infrastructure for the services provided by the web console.
- Made product website and console completely compliant with GDPR and improved their security against XSS attacks and spam.
- Integrated Salesforce form handler in the website for customer inquiry and data management to automate sales and marketing team business operations.

Software Developer Intern

Feb. 2019 to Apr. 2019

- Developed a command-line interface for IoT device data management and operations.
- Improved security of the data transferred from an IoT Device to the cloud using an encryption technique for devices with low storage capacity.

### Industrial Technical Research Institute

R&D Intern

Hsinchu, Taiwan  
May 2018 to Jul. 2018

- Researched the effects of light from virtual reality headsets on the human circadian rhythm.
- Developed an Android app to calculate circadian parameters using a spectral sensor.

### Google Summer of Code with FOSSASIA

Android Developer Intern

Remote  
May 2017 to Aug. 2017

- Increased adoption of FOSSASIA's Open Event standard by implementing it within open source conference applications.
- Wrote [blogs](#) and daily scrum to document the process and enhance technical communication skills.

### Gwangju Institute of Science and Technology

Research Intern

Gwangju, South Korea  
Jun. 2017 to Aug. 2017

- Researched machine learning techniques for artistic style transfer from paintings to images and mixing of multiple styles with the user-defined proportion of selected style.
- Developed an Android app to produce pastiche using the neural network from user input and presented research work in the poster session.

### 24X7 Table

Android Developer Intern

Gurugram, India  
May 2016 to Jun. 2016

- Developed a customer response app for restaurants to keep the track of user responses by viewing the data collected in graphical form.
- Developed Android UI for customer relationship management app for the team.

## Projects

### [Pick Flick](#)

- An Android app to browse information and make a watchlist for movies and shows. Currently, over 10,000+ downloads on Google Play Store.

### [Acid Trip](#)

- An Android app for artistic style transfer from paintings to images and mixing of multiple styles with the user-defined proportion of selected style.

## Summary

Full stack software developer with a focus on frontend and experience in designing, developing and deploying scalable web apps.

## Contact

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## Education

### Indian Institute of Information Technology, Allahabad

Masters in Information Technology  
2019

## Skills

### LANGUAGES

Python  
JavaScript  
TypeScript  
Java  
HTML  
SQL

### TOOLS

ReactJS  
Redux  
AWS  
Android Studio  
Semantic UI  
Git  
Travis CI  
GraphQL  
Apollo  
VS Code  
Netlify  
CSS

### CERTIFICATIONS

AWS Certified Alexa Skill Builder - Specialty  
Salesforce Certified Heroku Architecture Designer