VARUN KUMAR

SOFTWARE DEVELOPER

Employment

JIG-SAW INC. — Tokyo, Japan
Software Developer — Aug. 2019 to Current

- Developed backend and frontend of the console system using Django REST Framework and ReactJS respectively for IoT device monitoring and management.
- Using AWS services including Lambda Function, Step Function, ECS, 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 business operations of sales and marketing team.

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 — Hsinchu, Taiwan
R&D Intern — 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 — Remote
Android Developer Intern — 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 — Gwangju, South Korea
Research Intern — 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 — Gurugram, India
Android Developer Intern — 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 and Android apps.

Contact

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Education

Indian Institute of Information Technology, Allahabad
Masters in Information Technology
2019

Skills

LANGUAGES
Python
JavaScript
TypeScript
HTML
CSS
SQL

TOOLS
ReactJS
Redux
Django REST Framework
AWS
Android Studio
Semantic UI
Git
Travis CI
GraphQL
Apollo
Docker

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