VARUN KUMAR
SOFTWARE DEVELOPER

Employment

Xeneta
Software Developer
Oslo, Norway
Feb. 2022 to Current

- Work on the frontend to visualize ocean freight data with custom graph components built using D3.js and TypeScript.
- Improve the administrative dashboard used for data processing by the analytics team.
- Made graphs interactive and easier to use by conducting research with the customer success team.
- Improved authentication handling in the platform for easier and safer access to user data across the app.

JIG-SAW INC.
Software Developer
Tokyo, Japan
Aug. 2019 to Jan. 2022

- Developed the frontend of our web console for IoT device monitoring and management using ReactJS.
- 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.

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

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

Skills

LANGUAGES
Python
JavaScript
TypeScript
Java
HTML
SQL

TOOLS
ReactJS
Redux
AWS
Semantic UI
Git
Travis CI
GraphQL
VS Code
Netlify
CSS
D3

CERTFICATIONS
AWS Certified Alexa Skill Builder - Specialty

Salesforce Certified Heroku Architecture Designer