

# VARUN KUMAR

SOFTWARE DEVELOPER

## Employment

### Xeneta

Software Developer

Oslo, Norway

Feb. 2022 to Current

- Led the [frontend](#) development to visualize ocean freight data with custom graph components built using D3.js and TypeScript. Further improved visualisations by making them interactive from user feedback research.
- Created a budget overview tool that allows Ocean BCO users to quickly have a high-level estimate of the budget by calculating market development and historical data.
- Provided administrative dashboard for the data analytics team with new features including a more streamlined way to interact with JSON imports and handle benchmark requests for freight data.
- Improved authentication handling in the platform for easier and safer access of user data across the app by making the authentication provider as a reusable React component.

### JIG-SAW INC.

Software Developer

Tokyo, Japan

Feb. 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

- 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.

## Summary

Software developer with experience in leading teams to design, develop and deploy scalable web apps.

## Education

### Indian Institute of Information Technology, Allahabad

Bachelors and Masters Dual Degree in Information Technology

## Contact

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## Skills

### LANGUAGES

JavaScript

TypeScript

HTML

Python

SQL

### TOOLS

ReactJS

Redux

AWS

Semantic UI

Git

Travis CI

VS Code

Netlify

CSS

D3

Slack

Confluence

### COMMUNICATION

English

Hindi

Norwegian