VARUN KUMAR
SOFTWARE DEVELOPER

Employment

Xeneta — Oslo, Norway
Software Developer — Feb. 2022 to Current

- Led the 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 have a high-level budget estimate 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 user data access across the app by making the authentication provider a reusable component.

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

- Developed the front end of the [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 the website and the 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 — 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.

Education

Indian Institute of Information Technology, Allahabad
Bachelors and Masters Dual Degree in Information Technology

Summary

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

Contact

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Skills

LANGUAGES
JavaScript
TypeScript
HTML
Python
C++
SQL

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

COMMUNICATION
English
Hindi
Norwegian