

# Jayanth Kumar

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## EDUCATION

### INDIAN INSTITUTE OF TECHNOLOGY PALAKKAD

BACHELOR OF ENGINEERING (HONS.) COMPUTER SCIENCE

August 2019 - May 2023 | Kerala, India

## EXPERIENCE

### TEXAS INSTRUMENTS INC. | APPLICATION DEVELOPER INTERN

May 2022 - July 2022 | Bengaluru, Karnataka

- Worked on developing a Finance Application from scratch directly poignant the TI customers from 10+ countries and the Finance Team of TI. With totally different countries having different requirements and financial rules, I even have tackled down each one them. I went through weekly business conferences to update the work flow and acquire new requirements according to the customers and the countries we are dealing with.
- **Tech-Stack** - - Spring Boot, Thymleaf, Jenkins, Sonar Qube, Eloqua.

### TVS MOTOR CORP | FULL STACK DEVELOPER INTERN

Aug 2020 - Nov 2020 | Hosur, Tamil Nadu

- I developed a real-time dashboard interface, using **Flask**, **React**, and **SQL** integrated with Deep Learning Modules and Camera Modules to visualise and examine motor-cycle fragments stratification work-flow.
- I engineered an employee interface to supervise **industrial machinery** to continuously study and inspect metrics in order to record various operations performed in parallel using **Django**, **React**, and **SQL** in the workplace.
- I **orchestrated** my fellow interns to work on very **sensitive backend** code where a value modification in machine directs to a change of state of other machines.

### SURVEY BUDDY | FRONTEND DEVELOPER INTERN

Jan 2021 - Mar 2021 | Virtual, India

- Engineered a real-time **Survey Responses Encoding framework** where a user can process survey responses by sorting and filtering with default filters or search keywords and designate a common codeword to multiple responses in turn converting the survey responses into a precious dataset.
- **Tech-Stack** - UI Design, Twilio API, Google Authentication API, Sockets, MongoDB, Amazon S3, ExpressJS, NodeJS, React, AWS

## PROJECTS

### REALTIME E-COMMERCE WEBSITE |REACTJS, FIREBASE, REDUX, STYLED-COMPOENTS , STRIPE API

- Built on Realtime Firestore, GAuth, Redux, Material UI and payment Gateway is carried out using Stripe API.

### FULL STACK USER-AUTHENTICATION BUILD |REACTJS, SQL, EXPRESSJS, NODEJS

- User registration with JWT authentication and user management.

### TRAFFIC SIGN RECOGNITION |PYTHON, IMAGE PROCESSING

- Incorporated more than 50,000 pix in 43 classes. Re-factored VGG16 Model to attain a testing multi-class classification accuracy of 98/100

## SKILLS

### FRONTEND

• ReactJS • Redux • Thymeleaf

### BACKEND

• NodeJS • Django • Flask • Spring Boot

### DATABASES

• MongoDB • PostgreSQL • Firestore

### MACHINE LEARNING:

• scikit-learn • Tensorflow • OpenCV • nltk

### DEPLOYMENTS

• Heroku • AWS • Firebase • Jenkins

## AWARDS

2020 Inter IIT

2020 IITPKD Tech Day

2020 Code-A-Thon

2020 CrowdHacks

2020 IIT Dharwad CTF Champ

## TRAVEL &

## CONFERENCE GRANTS

2019 Inter-IIT Meet, Bomaby

2020 AMD

2021 Inter-IIT Tech Meet

2022 Smart India Hackathon

2022 E-Summit'22, IIT Bhubaneswar

2022 IIT Madras Deployable AI

## COURSEWORK

Data Structures and Algorithms

Computer Organisation

Operating Systems

Database Management Systems

Artificial Intelligence

Natural Language Processing

Compilers

Design and Analysis of Algorithms

Computational Methods and Algorithms

Functional Programming

Digital Image Processing

Cloud Computing

Professional Ethics

## ACTIVITIES

Technical Affairs Secretary at IIT-PKD

Competitive Coding

Communication Manager, Alumni Cell

Photography and Film-making Club Head

Football