# 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 • PostgresSql • 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