

**PranavChendur**  
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**SUMMARY**

A computer science engineer with an application oriented approach and keen interest on innovation in business practices. Currently working as a data scientist with extensive experience in data engineering and running production analytics workloads. As an IT solutions provider I have worked with small and large scale enterprises, helped improve business processes by working together with multi-disciplinary teams.

**EDUCATION**

**Vellore Institute of Technology (VIT)**  
Chennai Campus

B.Tech Computer Science and Engineering, 2019

CGPA: 8.56/10

**WORK**

*October 2020 – Present*

Data Scientist Specialist • **KONE** Oyj, Hyvinkaa, FI

*January 2020 – September 2020*

Junior Data Scientist Specialist • **KONE** Oyj, Hyvinkaa, FI

*June 2017 – July 2017*

Research Collaboration • Internship • **KONE** Oyj, Hyvinkaa, FI

*November 2018 – April 2019*

Research Collaboration • On-behalf of VIT • **Mahindra** Research  
2013 – April 2019

Founder • IT Solutions & Services • **Kilobyte** Tech Solutions

*April 2019 – Present*

Founder • AgroTech & Industry 4.0 Solutions • **CarbonPark**

**KEY SKILLS**

**Data Engineering and Data Analytics**

- Spark (Streaming & ETL)
- AWS EMR, Athena, Glue

**Cloud Solutions**

- AWS, Google Cloud, Azure, IBM Cloud, Digital Ocean

**Full-stack App Development**

- Android, iOS, Hybrid
- Node.js, PHP, Python

**Docker & Microservices**

- Docker Compose
- Kubernetes

**Databases**

- SQL, NoSQL, Timeseries

**API Development**

- REST, gRPC
- WebSockets

**Internet of Things**

- MQTT, LoRa, 6LowPAN
- Mesh Networks, Sensors
- Node-RED, Grafana

**EXPERIENCE**

- Worked with one of India's leading Automobile Manufacturer and deployed a fog level classification - tensorflow based model on **NVIDIA Jetson TX2**
- Facial Recognition and Computer Vision - **cloud based AI applications** using AWS and Azure
- Data Visualization & Exploration Tool at **KONE R&D**, visualising a dataset with millions of records on ~ 50,000 individual entities
- Extensive experience in developing and running **production web and mobile applications** for enterprises using Node.js, PHP, Java, JavaScript, Dart and Python
- **Sub-GHz Wireless Mesh Sensor Network** for Agricultural Fields using RPi, Arduino, nRF24L01+, Node-RED, MQTT, Google Cloud and Thingspeak
- **Data Science**, Visualization and Exploration using Python and popular data science frameworks – TensorFlow, Keras, Sci-Kit Learn, NumPy, Pandas
- Deployed a **LoRa Gateway** using LoRaServer.io and on The Things Network (TTN)
- Worked with **SQL, NoSQL and Timeseries** Databases for Web Applications, IoT as well as Data Science workloads

## ACTIVITIES

### **KONE IBM India Hackathon 2017, Winner**

#### ***Technology***

Implemented End-to-end IoT and ML based Anomaly Detection, with a team of 3.

### **Start-up Weekend CEG 2019 Chennai, Runners**

#### ***Technology & Business***

Conceptualized & Built an App from an Idea in 48 hours and pitched the concept with a working prototype in front of Industry veterans.

## TECHNOLOGY EXPERIENCE

### PROGRAMMING LANGUAGES

Scala, Python, JavaScript, C, C++, Java, HTML/CSS, PHP, SQL, Bash, Dart, Swift, Golang

### FRAMEWORKS / LIBRARIES

- *Web & Mobile Development*  
Node.js, ExpressJS, Meteor, Flask, Angular, GraphQL, React, Next.js, jQuery, Laravel, Flutter, Cordova, Ionic, React Native, Android SDK (Native), Swift (iOS), WordPress
- *Data Science, Machine Learning & Deep Learning*  
Tensorflow, OpenCV, Keras, NumPy, Pandas, Sci-Kit Learn

### DATABASES

MySQL, PostgreSQL, MongoDB, CouchDB, InfluxDB

### DEVOPS

- *DevOps*  
Linux Server Administration, Git, Kubernetes, Docker, Docker Compose
- *CI/CD*  
Jenkins, Github Actions, Azure DevOps
- *Infrastructure as Code*  
AWS CloudFormation, Terraform

## CLOUD

- *Public Cloud*
  - Amazon Web Services(AWS) – EC2, S3, CloudFront, Elastic Beanstalk, Cognito, API Gateway, Rekognition, Polly, Lex, IoT, SageMaker, CloudWatch
  - Google Cloud – Compute Engine, App Engine, Cloud AutoML, Kubernetes Engine, IoT Core, Firebase, Vision
  - Microsoft Azure – App Service, Storage Service, IoT Hub, Cognitive
  - IBM Cloud – Data Science Experience, Node-RED, Watson Studio

## INTERNET OF THINGS

- *Software*
  - MQTT, WebSockets, Node-RED, LoRaServer.io, The Things Network(TTN)
- *Hardware*
  - Arduino, Raspberry Pi, ESP32, ESP8266, LoRa Gateway, nRF24L01+, LoRa SX127x

## LINKS

<https://www.pranavchendur.com>

<https://pc.fyi/github>

<https://pc.fyi/linkedin>

<https://pc.fyi/twitter>

<https://pc.fyi/photography>