

**P r a n a v C h e n d u r**  
**T h a n g a v e l K a n a g a r a j**

**Hyvinkää, Finland**

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## SUMMARY

A computer science engineer with an application-oriented approach and keen interest in innovation in business practices. Currently working as a technical lead for KONE's 24/7 Intelligence Analytics with extensive experience in data engineering and running production analytics workloads. As an IT solutions provider I have worked with small to 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**

## KEY SKILLS -

**Data Engineering and Data Analytics**

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

**Cloud & Infrastructure**

- AWS, Google Cloud, Azure, Digital Ocean, Hetzner, Bare Metal

**Full-stack Development**

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

**Docker**

- Docker Compose
- Kubernetes

**Databases**

- MySQL, PostgreSQL, MongoDB, DynamoDB

**Internet of Things**

- MQTT, LoRaWAN
- Embedded Software
- Mesh Networks, Sensors
- Node-RED, Grafana

## WORK

*January 2024 – Present*

Technical Lead, 24/7 Intelligence Analytics • **KONE**

*March 2023 – Present*

Senior Data Engineer • **KONE Oyj**, Hyvinkaa, FI

*July 2022 – March 2023*

Data Engineer • **KONE Oyj**, Hyvinkaa, FI

*October 2020 – July 2022*

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

*2013 – Present*

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

*April 2019 – Present*

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

## EXPERIENCE

- Developing and running production applications for processing telemetry data from globally distributed devices using **Apache Spark Structured Streaming**, Apache Spark using **AWS Glue** and **Apache Flink**.
- Developing a **Streaming Data Lake** based on **Delta Lakehouse** using Apache Spark to support near real time queries on AWS and Databricks.
- Developing the Infrastructure, CI/CD Pipelines, Monitoring and Cyber Security compliance for data engineering workloads.
- 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 Time Series** Databases for Web Applications, IoT as well as Data Analytics 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

### FRAMEWORKS / LIBRARIES

- *Data Engineering*  
*Apache Spark, Apache Flink, Delta Lake*  
*AWS - Athena, Glue, EMR, DynamoDB, S3 for Data Lake, CloudWatch*  
*Databricks*
- *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

## **DEVOPS**

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

## **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://github.com/pranavchendur>  
<https://www.linkedin.com/in/pranavchendur/>