PRANAVCHENDUR T K

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SUMMARY

A computer science engineer with an application oriented approach and keen interest on innovation in business practices. 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

KEY SKILLS

Server Administration
- Remote Management
- Bash Scripting

Cloud Solutions Engineer
- AWS, Google Cloud, Azure, IBM Cloud

Full-stack 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

WORK

June 2017 – July 2017
Research Collaboration • Internship • **KONE** Oyj, Hyvinkaa

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**

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

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.

SKILLS

LANGUAGES

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

FRAMEWORKS / LIBRARIES
- *Web & Mobile Development*
  Node.js, ExpressJS, Meteor, Flask, Angular, GraphQL, React, Next.js, jQuery, Laravel, CakePHP, Flutter, Cordova, Ionic, React Native, Android SDK

- *Data Science, Machine Learning & Deep Learning*
  Tensorflow, OpenCV, Keras, NumPy, Pandas, Sci-Kit Learn

TOOLS
Git, Xcode, Android Studio, Arduino, MATLAB

DATABASES
MySQL, PostgreSQL, MongoDB, CouchDB, InfluxDB

CLOUD, DEVOPS AND SERVERS
- *DevOps*
  Linux Server Administration, Git Depolyment, Kubernetes, Docker, Docker Compose

- *Public Clouds*
  Amazon Web Services(AWS) – EC2, S3, CloudFront, Elastic Beanstalk, Cognito, API Gateway, Rekognition, Polly, Lex, IoT, SageMaker
  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
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