

PUNID RAMESH

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EDUCATION

Vellore Institute of Technology (B.Tech)

ECE with Specialization in Internet of Things and Sensors

9.07

2018 – Present

Bangalore International Academy (CBSE)

Higher Secondary; Bangalore, India

93.2%

2016 – 2018

Ryan International School (ICSE)

Matriculation; Bangalore, India

92.6%

2004 – 2016

EXPERIENCE

KFX Labs

Internet Of Things Engineer Intern

Remote

Nov 2020 - Dec 2020

- Developed a real-time critical asset monitoring based on the seismic data collected from seismic sensor. The solution performs edge-analytics for automated actuation. Data visualization of asset and edge devices on Grafana Dashboard.
Utilized: EdgeX Framework, Docker, GoLang, Python, Telegraf, InfluxDB, Grafana, GCP

Agixury

Front End Developer Intern

Remote

Sep 2020 - Oct 2020

- Developed the front end of a travel and tourism website in collaboration with team.
Utilized : HTML5, CSS3, Bootstrap, Javascript

SKILL SET

- Languages:** Python, Java
- Technologies:** PyTorch, Django, AWS, Docker, EdgeX

PROJECTS

- Morax:** This project aims to provide Coinbase wallet users a means to monitor their crypto. assets using the terminal. The user can view a cryptocurrency's spot price, current wallet worth, amount of coin owned, and a beautiful ASCII art of the cryptocurrency logo. The CLI app also lets the users view the price variations of the coin on a hourly basis via a graph plotted in the terminal.
Utilized: Flask, OAuth2.0, Python, Coinbase APIs
- Detection of COVID-19 from cough sounds using Deep Learning:** This project aims to detect the presence of Coronavirus using the cough audio samples as input and feature extraction is done to extract audio features like Mel-Spectrogram. CNNs are employed to classify if the audio sample shows COVID-19 tendencies.
Utilized: CNN, FFmpeg, Librosa, Arduino Nano 33, Tensorflow Lite
- Utilization of Embedded Systems for Smart Farming:** This project is a collaboration with the Electronics and Agricultural department of VIT. It aims to automate tasks in a farm, provide smart feedback and alerts to farmers and fully operate on renewable resources.
Utilized: Node-RED, Firebase RTDB, NodeMCU

PUBLICATIONS

- Visualization and performance analysis on 5G network slicing for drones** ACM
- Using EdgeX as an IoT middleware** Nerd for Tech, Medium

CERTIFICATES

- Deep Learning Nanodegree:** Nanodegree program offered in PyTorch and AWS on Udacity.
- Machine Learning:** Course by Andrew Ng offered by Stanford University on Coursera.
- Industrial IoT on Google Cloud Platform:** Google Cloud based IoT course by the Google Cloud team on Coursera.