

RAUSHAN KUMAR

Software Engineer

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https://leetcode.com/codeextractor/ https://www.hackerrank.com/codophobic
https://www.codechef.com/users/raushan14217



EXPERIENCE

Software Engineer

OTIS Elevator Company

July 2018 – Current Hyderabad, India

- Developed a video-streaming solution using Twilio, in which the technician and building owner, where the lift/elevator is installed, can communicate to the trapped passengers in the elevator and can see the in and out of the elevator's car for diagnostics purposes.
- Developed a client-server micro-service in python, where client which is in this case IOS App will communicate with the server, in this case an IMX6 microcontroller between two endpoints (sockets) through 3 way TLS Handshake.
- Developed a feature that will read and write configuration to different micro services through TCP/IP (ZMQ) socket endpoints on the same machine.
- Developed a feature using Paho-MQTT client which fetches the Desired and reported properties from the Device Twin of the commissioned and provisioned device in the designated IOT Hub in the cloud environment
- Developed a feature that uses Zero-MQ library which is built on top of normal TCP/IP protocol to handle multiple clients and server simultaneously without any delay. The main agenda to develop this feature is to route multiple messages to and fro between more than one micro-services
- Developed a feature that will show Date, time, Elevator's position on LVDS screen attached to an IMX6 ARM controller.
- Developed a feature in PyQt and QML using python as backend to stream Voice and Video, on top of which all the elevator related information being displayed, from a local RTSP server installed in a control Room.
- Developed a feature that will show the news feed and weather related information on the LVDS Screen installed in the elevators which will be downloaded from an authorized source(RSS feed)

PROJECTS

- BlogPost- Developed a Web application, using HTML, CSS, Bootstrap Django-framework of python, where anyone can register itself and write a blog after login in the application and also edit, delete and update his/her own post. He/she can read other author's post.
- WeatherApp- Developed a web application using HTML, CSS, NodeJs, ExpressJs and third party APIs, where one can check for the weatherforecast of any location around the Globe.

ACHIEVEMENTS

- Got TITAN Award for delivering video streaming solution using Twilio.
- Got TITAN Award for delivering voice and video solution for Japan's customer requirement before assigned deadline.
- Got PatOnBack(POB) award for excellent work for implementing Device-IOT Hub configuration Management system.

EDUCATION

B.Tech Electronics & Communication Engineering

Indian Institute of Information Technology, Una(H.P)-7.94/10(CGPA)

Aug, 2014 - June, 2018

12th

Chinmaya Vidyalaya, Jharkhand-89/100(percent)

April, 2010 - March, 2012

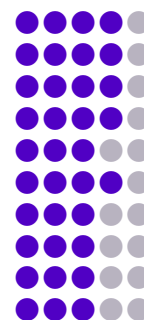
10th

SVM, Bihar-10/10(CGPA)

April, 2010 - March, 2011

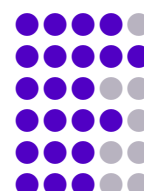
SKILLS

Python3
Ds Algo
Matplotlib
Pandas
Numpy
Scikit-learn
TensorFlow
Keras
Flask
Django



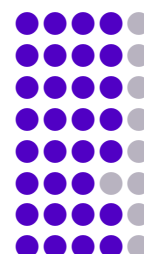
CERTIFICATIONS

NN & Deep Learning
Structuring ML Projects
TensorFlow
Python3
Java S2E
Android



TOOLS

Pycharm
Jupyter Notebook
Git
GitHub
Bitbucket, Jira, Bamboo
SourceTree
Agile Methodology
Vim



PATENTS

Visual Inspection Diagnostics