

# SHAKEB AMEEN

Software Developer / IoT Engineer / Designer



## EXPERIENCE

Jan 18 – Present **SQR Infotech Pvt Ltd** **IoT Intern**

Currently working on Bluetooth 5 based smart communication - Indoor positioning system. As the hardware solutions leader, my day to day task include devising new solutions using full embedded life cycle, providing clients with full stack cloud based connectivity solutions for IoT devices. Management of task and coordination among different technology sets for overall product buildup.

Bluetooth 5, nRF52, Google Cloud IoT, Android Things, Java

Oct 18 – Dec 18 **YUPS ASIA** **IoT Trainee**

Learned new technologies for devising smart city solutions using Bluetooth 5. Made Smart LoRa and BLE5 confluence based IoT Gateway for Smart Communications.

nRF52, Arduino, WS, Lora, PHP, Python

Sep 17 – Sep 18 **IoT R&D Lab** **Junior Research Fellow**

Worked on MQTT based novel approach for air quality monitoring and real time weather analysis with alert facility for residents. Made a Smart Floor warning system based on Smart Mesh networking for Hydro Power stations and dams.

LoRaWAN, ZigBee, TI, SQL, Azure IoT, Python

In addition to the mentioned experience, I have also been working on personal projects since 2016.

## EDUCATION

Feb 19 – June 19 **Nanhua University, Taiwan**

Exchange Student in Semester Abroad Programme

2016 – 2018 **KIIT University, India (7.9/10)**

Bachelor of Technology in Information Technology

## AWARDS & ACHIEVEMENTS

Nov 2018 **Smart Odisha Hackathon, Govt. of India** **National Winner**

Won the National Prize in Open Innovation challenge for smart technologies, at the Smart Odisha Hackathon 2018 by Make in Odisha Conclave, Govt. of India.

Oct 2018 **TATA Crucible Corporate Hackathon** **Grand Prize Winner**

Developed a winning solution for the Smart City Enabler challenge - CityX a IoT platform for the new age problems of Smart Cities using custom IoT gateway.

July 2018 **Smart India Hackathon Hardware Edition** **National Finalist**

Developed and pitched a Smart Mesh based Smart Communication for Flood Warning at World's Biggest Open Innovation Movement in India.

Dec 2017 **Makeovation** **Runner Up**

Developed and pitched a Smart Air Quality Index device for Smart Homes and industries.

## PERSONAL INFO

### Address

📍 Bhubaneswar, Odisha, India

### Phone

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### Email

✉ me@shakebameen.com

## SKILLS

**Internet of Things** – Arduino, Texas Instruments, Mediatek, Raspberry Pi, Onion, Libellium Waspote, Nordic Semiconductor

**Full Stack** – HTML, CSS, PHP, C#, Java, Python

**Database** – MSSQL, MySQL, Firebase

**Communication Protocols** – BLE, LoRa, ZigBee, HTTP, MQTT

### Tools & Frameworks

CodeIgniter, Segger Embedded Studio, Altium Designer

### Cloud & Networking

AWS, Google Cloud Platform, Microsoft Azure

## REFERENCES

### Prof. Satyendra Patnaik

Rector

KIIT University, Bhubaneswar, India

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