



Karan Mali

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Pune

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An IoT professional who is capable of delivering efficient industry-ready solutions that effectively contributes to the growth of the organization and provides self-satisfaction.

WORK EXPERIENCE

Assistant Manager - IoT Solutions Tata Communications & Transformation Services (TCTS)

11/2021 - Present

Pune

Achievements/Tasks

- worked on **LoRa** based PoC for IoT Customer Experience Center.
- Worked with **HoloLens2** for mixed reality IoT apps.

IoT Team Lead Navidium PLC

03/2021 - Present

Pune

Working on a wide range of new innovative IoT solutions for the maritime industry.

Scaled NDC Project to over 20 vessels.

- Working with a team size of 7 people to scale up the **NDC** project to multiple vessels.
- Working with different teams to deliver the required solution for the **ObA** project.

IoT Product Engineer Navidium PLC

03/2019 - 03/2021

Build & deliver solutions for NDC project.

- Successfully delivered real-time applications for **NDC**.
- Worked on telemetry sensors and industrial communication protocols like **Modbus, TCP, UDP, MQTT, Web API, SSL**.

EDUCATION

PG-Diploma in Internet of Things CDAC-ACTS, Pune

08/2018 - 02/2019

80 %

B.E. in Electronics & Telecommunications Bharti Vidyapeeth's COE, Lavale, Pune

08/2014 - 05/2018

70 %

SKILLS

Azure IoT

Languages: Python, Rust, Lua

Database: Influxdb, Mongoddb, SQL

Operating Systems: Linux, Windows

RaspberryPi, Jetson-Xavier, ESP32, ARM/AMD hardware.

Dashboards & Alerts: Chronograf, Grafana

Tools: Docker, Git, Node-Red, Wireshark

Protocols: LoRa, NB-IoT, MQTT, Modbus, BLE, Wi-Fi

PROJECTS

Smart Farming Application

- Built smart farming use case application on LoRa protocol which shows soil humidity percentage through which user can optimize irrigation pattern for good soil health.

Navidium Data Collector. (NDC)

- NDC project's target is to create an easily configurable rapidly deployable solution in order to collect ship's telemetry data to be used in ship operation monitoring and optimization.

Drone Based Real-Time Vessel Inspection Application (DreTiVIA)

- Application for the vessel, which is designed to view streamed data captured through drone, detect, store and analyze anomalies of the vessel as images and send the report to shore end.

ACHIEVEMENTS

President of Bharati Electronics & Telecommunication Association (BETA) in BE. (05/2017 - 05/2018)

Internship at Realty Automation And Security Systems Pvt. Ltd. (RASS) in 2017.

Winner of Dance Competition in Arambha-2016 in College.