

RENJITH R

Software Engineer

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EXPERIENCE

Nissan Digital India

Software engineer

📅 August 2019 – Present 📍 Trivandrum, Kerala

- Worked on a collection of **Java based microservices** that collect, aggregates and canonicalize car vehicle data from many sources and makes the data available to various consumers.
Technologies: Java Spring, JPA, AWS Kinesis, AWS Dynamodb, AWS RDS Aurora
- Worked on building a **developer portal for APIs** across the organization with frontend using **Angular** and backend integrations using **Flask (Python)** deployed as Serverless AWS Lambda functions.
- Worked as part of a team that **maintains Nissan's Global AWS Cloud platform**, working on things like **automating Application on Boarding to AWS by writing Jenkins jobs** for provisioning cloud Infrastructure using **Cloudformation** scripts.
- Built a **JVM Metric monitoring solution** for Java applications using open source tools and AWS Cloudwatch, that has been adopted for multiple projects at Nissan as an alternative to new-relic.

Tata Consultancy Services (TCS)

Machine Learning Engineer Intern

📅 July 2018 – Sept 2018 📍 Kochi, Kerala

- Developed a gesture recognition machine learning model that maps hand signs to corresponding emojis in real time.

Ernst And Young (EY) India

Cyber Security Analyst Intern

📅 May 2018 – July 2018 📍 Trivandrum, Kerala

- Worked as a security analyst using various SIEM tools like Splunk, Carbon Black and Fidelis to detect and analyse threats in Client Systems.

PROJECTS

Autonomous Indoor Navigation for Wheelchairs using Signboards

- Developed a prototype for an autonomous wheelchair capable of navigating indoor environments by reading signboards
- Developed a custom path finding Algorithm by improving upon the A star Algorithm
- The signboard recognition was achieved using Machine learning models capable of doing Object detection.

Chat Room Web Application using NodeJS, React and MongoDB

- The Web App uses NodeJS as backend and is capable of sending both text messages as well as audio and video.

EDUCATION

Bachelor of Technology (Computer Science)

TKM College of Engineering

📅 2015 - 2019 📍 Kollam, Kerala

- CGPA: 8.7

AISSCE (CLASS XII)

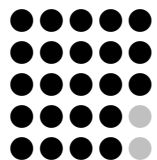
St Antony's Public School

📅 2013 - 2015 📍 Kanjirappally, Kerala

- 94.8%

CODING SKILLS

Python
Javascript
Java
C/C++
Go



PUBLICATIONS

IEEE Paper on Autonomous Indoor Navigation for Wheelchairs using Signboards

<https://ieeexplore.ieee.org/document/8741462>.

TECHNOLOGIES

FrontEnd

- React, Angular

BackEnd

- Flask (python) , NodeJS, SpringBoot

Others

- Familiar with most AWS Services like S3, DynamoDB, Kinesis, ECS, lambda, Cognito etc
- Docker, Jenkins , Cloudformation

LANGUAGES

English
Malayalam
Hindi

