

# Gopi Krishnan Rajendran

Let's code to build!

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## EXPERIENCE

### Yugti Smart Solutions, Madurai — Developer

November 2018 - PRESENT

**Task:** Developed a shopping cart enabled with an IoT device to accomplish spot billing and update it dynamically to the server, such that to dynamic updation in the stock management.

**Technologies Worked:** Node.js, Angular 2, MongoDB, JSON API, Raspberry Pi, and Python.

### Leanpitch Technologies, Bangalore — Alexa Skill Developer (Intern)

May 2018 - Oct 2018

**Task:** Worked on Alexa skill development to develop a voice assistive skill on Alexa to utilize the products (StartupPlanner, PlayScrum, and CxBot) and developed a chatbot application for products (StartupPlanner & CxBot) using AWS.

**Technologies Worked:** AWS-lambda, AWS-DynamoDB, AWS Lex, Alexa Skill Kit, Machine learning and Python.

### LTI, Mumbai — Progressive Web App Developer (Intern)

May 2016 - July 2016

**Task:** Worked on Progressive Web Apps Technology to write service worker for an e-commerce website.

**Technologies Worked:** Node.js, Angular 2, MongoDB, JSON API

## EDUCATION

### Kalasalingam Academy of Research and Education, Madurai — Btech

July 2015 - May 2019

CGPA: 8.57/10

## SKILLS

Alexa Skill Development

Python

C and C++

Java

Angular 2

Node.js

Open CV

AWS

## CERTIFICATES

2018-04

Cambridge English Level 1

Certificate in ESOL International  
(Business Vantage)

2017-03

Elite certificate in NPTEL:

Programming, Data Structures,  
and Algorithm in Python

2016-09

Elite certificate in NPTEL:

Programming in C++

2016-11

EMC certified Cloud associate,  
infrastructure and service.

## Kendriya Vidyalaya No.:2 Jalahalli, Bangalore— (XII)

March 2015

Percentage: 92.20%

### LANGUAGES

English

Tamil

Hindi

## Kendriya Vidyalaya No.:2 Jalahalli, Bangalore— (X)

March 2015

CGPA: 10/10

### PROJECTS

#### MediCalc

A ML based online tool developed using Angular 2 and Node.js to review and analyze the prescription. The classification algorithm checks the prescribed medicine and dosage with disease name, age, height and weight. It results with BMI, the suggested medication and correctness of the medication prescribed and its dosage.

#### Smart Cart (Yugti Smart Solutions)

**Task:** Developed a build a shopping cart enabled with IOT device to perform on spot billing and update it dynamically to the server and this also functions in parallel to the stock management system.

Client details and work can't be disclosed.

**Technologies Worked:** Node.js, Angular 2, MongoDB, JSON API, Raspberry Pi and Python.

#### Visually Impaired Companion

This project implements Digital Image Processing, Speech recognition and IOT to design a product for Visually Impaired people to give a feel of artificial vision with precise movements. The basic ML based algorithm helps the user with facial, currency notes and object recognition. At further stage idea could be developed as a prosthesis device which generates artificial electric impulse which contains data from the camera. This transmitted impulse through the optic nerve can be processed like normal vision by the brain.

#### Demonstration bot (Alexa Skill)

**Task:** Alexa skill developed to explain itself and helps the user to build a alexa skill from scratch.

**Technologies used :** AWS and Alexa Skill Kit.

#### Progressive Shopping App

Platform : Angular2 and Node.js

(Front end link: <https://github.com/gopikrishna169/cnc>)

(Back end link: <https://github.com/gopikrishna169/expresss>)

- Application that functions as a normal shopping app and shows the capabilities of a progressive web app.

- Implements offline mode, caching, less load time etc.

#### Genetic Decoding

(Link : <https://github.com/gopikrishna169/geneticdecoding>)

- A C++ Program that intelligently deduces the sequence of the DNA when one prime input is given via transcription process.

- Program does the translation process to find the protein generation and checks it with the existing database.