

# Achuth Karakkat

A Computer Science and Engineering student passionate about Android Development and Machine Learning with proven leadership capabilities. Seeking an opportunity as a software developer with a company that offers a positive atmosphere to learn and implement new skills and technologies for the betterment of the organization.

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## EDUCATION

### Bachelor of Technology in Computer Science and Engineering

Amrita School of Engineering, Amrita Vishwa Vidyapeetham University, Coimbatore

05/2017 - 05/2021

CGPA: 8.92/10

### Higher Secondary Education (CBSE)

Toc-h Public School, Kochi

04/2015 - 04/2017

Grade: 94.2%

## PERSONAL PROJECTS

#### Emergency ventilator (08/2020 - 11/2020) [🔗](#)

- Developed a portable and affordable ventilator that could be controlled with an android phone and also track and visualize the vitals of a patient with the sensors attached to the microcontroller.
- The entire system works over the cloud leveraging the AWS IoT Core service so that the bulk of the computation is offloaded from the microcontroller and can also be remotely monitored.

#### Smart traffic light control for priority vehicles (01/2020 - 03/2020)

- Developed a prototype of a smart traffic control that would automatically configure the lights to enable minimum delay for a priority vehicle that is passing through an intersection.
- Works by using an android phone that is kept inside the priority vehicle to track its location which then transmits the location to a server which then manipulates the corresponding traffic light which was modeled with the help of a Raspberry Pi.

## WORK EXPERIENCE

### Software Development Intern

AGS Transact Technologies

06/2020 - 08/2020

- Tasked with creating an end to end contactless ordering and dining solution for restaurants.
- Was responsible for creating custom APIs that were needed to support the various use cases of restaurant owners.
- The entire application was hosted on AWS leveraging its RDS and S3 service for storing crucial information.

### Android Development Intern

DAZ Labs, Rajasthan

05/2019 - 07/2019

- Developed an all in one Cryptocurrency trading application with real-time price fetching with various graph-based visualizations along with maintaining a portfolio of current trades.
- Deployed using the Firebase Cloud Firestore database and integrated third-party news APIs to obtain news of the cryptocurrencies where were selected by the user.

## SKILLS

Java



Python



Android Development



MySQL



JavaScript



PHP



## ACHIEVEMENTS

Finalist (Top 20 out of 4000) at UST Global d3code All India Hackathon conducted at Trivandrum on December 2019

Placed 5th in AGS Transact All India Hackathon conducted at Mumbai on July 2019

National level Basketball player

## CERTIFICATIONS

Certified in Machine Learning by Stanford University on Coursera [🔗](#)

Certified in Blockchain by University at Buffalo & The State University of New York on Coursera [🔗](#)

Specialization - 4 Courses

Certified in HTML, CSS, and Javascript for Web Developers by Johns Hopkins University on Coursera [🔗](#)

BEC Vantage by Cambridge Assessment English

## LANGUAGES

English



Malayalam



Tamil



French



## INTERESTS

Android Development

Machine learning

Blockchain