

# Sanjay Kumar K K R

sanjaykumar.com | ramarthysanjay@gmail.com | (+91) 7708340007 |

## EDUCATION

### AMRITA VISHWA VIDYAPEETHAM

#### BTECH IN COMPUTER SCIENCE

2017-2021 | Tamil Nadu, India

Amrita School of Engineering

CGPA: 8.83 / 10

### TVS MATRICULATION HIGHER SECONDARY SCHOOL

#### 12TH - STATE BOARD

2015-2017 | Tamil Nadu, India

92.75/100

## SKILLS

### PROGRAMMING

- Java • Spring Framework • Hibernate
- REST APIs • Spring Cloud • Liquibase
- Go • Docker • Kubernetes • AWS
- Resilience4j • Lambda • MySQL
- Git • Android

## ACHEIVEMENTS

AWS Certified Solutions Architect [\[Link\]](#)

AWS Certified Cloud Practitioner [\[Link\]](#)

Microsoft Azure Fundamentals [\[Link\]](#)

2<sup>nd</sup>/150 MidHack conducted by Cisco

ThinQbator [\[Link\]](#)

## RESEARCH

### CISCO THINQBATOR | INNOVATOR [\[Link\]](#)

Designed and developed a Virtual Reality Fitness Application to strengthen Spinal Cord and it brings enhanced music, boxing inspired workouts to Virtual Reality.

### SMART SPACE LAB | STUDENT RESEARCHER

Worked on Data collection, annotation, pre-processing, and built deep learning models for Object tracking, Water leakage and Fire detection.

## EXPERIENCE

### MICROFOCUS | SOFTWARE ENGINEER

Sep 2021 - PRESENT | Remote

- Designed and developed the REST based Microservices using Spring Boot.
- Increased the resiliency of the application by incorporating resiliency logic to withstand downtime.
- Enforced Database versioning using Liquibase to rapidly manage database schema changes.

### MICROFOCUS | SOFTWARE ENGINEER INTERN

Apr 2021 - Aug 2021 | Remote

- Designed and developed the REST based Microservices using Spring Boot.
- Redesigned APIs into more Optimized schema which resulted in Enhanced efficiency of the application.
- Used Helm package manager to manage deployments across various environments.

### SOLUTION CHAMPS TECHNOLOGIES | SOFTWARE ENGINEER INTERN [\[Link\]](#)

May 2019 - July 2019 | Remote

- Migrated the On-premise Web solution to AWS using Services like AWS Lambda, S3, RDS and EC2.
- Accelerated Dockerized deployment of cloud resources on AWS EC2.
- Deployed Server-less lambda functions to delete and insert documents into EC2 embedded Elastic-search Database.

### TATA CONSULTANCY SERVICES | PROJECT INTERN [\[Link\]](#)

July 2020 - Aug 2020 | Remote

- Machine Learning Android Application for object detection with voice assistant.
- Integrated Machine Learning model with Android Application.
- Proposed and integrated voice assistant feature to guide the visually challenged.

## PROJECTS

- **Cloud Native - Video Streaming Application [\[Link\]](#)** - Android Applications to create a complete video streaming pipeline using Amazon Web Services like AWS Lambda, CloudFront, Transcoder, S3.
- **Faculty Profile Builder- Android Application [\[Link\]](#)** - Android Application to create faculty profile which displays research papers and Area of interest using Firebase, Android, JIRA, GIT, Google Scholar APIs, Espresso.
- **ATM Locator Spring Boot Project [\[Link\]](#)** - A Distributed Resilient Web Service to locate ATMs using Spring Cloud Netflix with Eureka (Service Discovery), Hystrix (Circuit Breaker), Spring Cloud Config (externalized configuration) and API Gateway.
- **LOGGER-Util-Golang [\[Link\]](#)** - logger-util-golang is a simple Go package that helps to view the logs in a webpage rather than a command line. It instantly makes the logging easy as the logs are served under a port.

## PUBLICATIONS

- On Multi-class Currency Classification Using Convolutional Neural Networks and Cloud Computing Systems for the Blind [\[Link\]](#)
- A Mobile-Based Framework for Detecting Objects Using SSD-MobileNet in Indoor Environment [\[Link\]](#)