

# G.V Rama Chandra

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## EXPERIENCE

### AMAZON | SDE2

Nov 2022 - Present | Bangalore

- Working on promoting Amazon Music app installs via Amazon Retail Music through In-App message campaigns and experiments.

### UDAAN | SOFTWARE ENGINEER

Dec 2021 - Oct 2022 | Bangalore

- Designed & Developed services for financial compute platform focusing on ledger bookkeeping and payment settlement computations.
- Drove the adoption of **open-telemetry based observability** and developed solutions for querying observability data. Contributed PromQL queries for the cronjob failure alerting system.

### CAPILLARY TECHNOLOGIES | SENIOR SOFTWARE ENGINEER

Dec 2020 - Dec 2021 | Bangalore

- Optimized the dimension computation logic & reduced the resource utilization in the ETL pipelines.
- Developed the IAC modules, CI & CD services for deploying all infra components & services to multiple kubernetes clusters.

### ZYCUS | ASSOCIATE TECH LEAD

July 2020 - Nov 2020 | Bangalore

- Worked with Spend Analyzer team building **Deep-Learning based** demand & price **forecasting time series models** and model inference services.

### CAPILLARY TECHNOLOGIES | MACHINE LEARNING ENGINEER

May 2018 - April 2020 | Bangalore

- Developed a library with CLI client to setup & launch a **YARN managed Hadoop Spark cluster** on AWS EC2 instances, that reduced the cluster launching time from the existing process 20 minutes to 2 minutes saving the cloud cost and efficiency.
- Designed & Developed distributed batch jobs to collect, clean, aggregate & pre-process data with **optimized spark jobs**, improving the performance & resource-utilization, resulting in a time reduction from 2 days to 5 hours for 6 billion data points & a cost reduction by 50%.
- Developed REST API services in scala Akka Http framework to serve the model inference requests backed by Apache Spark DataFrame API, with RabbitMQ as message queue communication.
- Developed CLI tools & libraries for **training various machine learning** models for multiple tenants, automating the manual effort of data scientists.

### METRIPPING TECHNOLOGIES | DATA SCIENTIST

Jan 2018 - April 2018 | Bangalore

- Worked on building data pipeline jobs using PySpark.

### VIZEXPERTS | GRAPHICS ENGINEER

May 2017 - Dec 2017 | Bangalore

- Built 3D graphics simulations of EO sensors for missile launch detection

## EDUCATION

### IIT, KHARAGPUR (2012-2017)

DUAL DEGREE IN INDUSTRIAL AND SYSTEMS ENGINEERING

#### BTECH PROJECT

Worked on Twitter Sentiment Analysis, using Word Vectors and LSTM neural networks and grammar rule based factual question generation

## SKILLS

### PROGRAMMING

3+ years:

- Java

1+ years:

- C/C++ • Kotlin • Golang • Scala • Python3

### TOOLS & TECHNOLOGIES

OpenTelemetry • SpringBoot  
Kubernetes • Terraform • PromQL  
RabbitMQ • Databricks • Apache Spark • AWS

## PERSONAL

## COURSEWORK

### DATABASE SYSTEMS CMU FALL 2022

Doing the course of database systems of CMU on youtube and working on the projects of spring 2023

### DISTRIBUTED SYSTEMS MIT

Doing the course of MIT distributed systems on youtube

## CERTIFICATIONS

- Certificate of Excellence in Introduction to C++ by Coding Ninjas.
- Computer Vision NanoDegree by Udacity

## LINKS

Github:// [ramchandra](#)

LinkedIn:// [ramchandra](#)