

# Sahil Kumar Sahu

Pre Final Year (B.Tech)  
Computer Science & Engineering  
at C.V. Raman College of Engineering  
CGPA: 8.71 till 6th Sem



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## Experience

### Links

Github:// [sahil13kumar](#)  
LinkedIn:// [Sahil Kumar Sahu](#)

### Skills

OS  
GNU/Linux, Windows

LANGUAGES  
C/C++, Java, Python

CLOUD COMPUTING  
Kubernetes,  
Aws, Docker

DATA SCIENCE  
Deep Learning,  
Computer Vision

BIG DATA  
Hadoop, Hive  
Pig, Spark

DATABASES  
MySQL, PostgreSQL

ANDROID DEVELOPMENT  
Java, Kotlin,  
Firebase, Restful API

### Coursework

Data Structures  
Algorithm  
OS, OOPs  
Computer Networking

### Education

2017-2021  
B.TECH. IN CSE  
C.V. Raman College of Engineering  
CGPA : 8.71/10(till 6th Sem)

2015-2017  
SENIOR SECONDARY IN SCIENCE  
Sri Chaitanya Vidya Niketan, Vizag  
Percentage: 72.2%

2015  
HIGH SCHOOL  
Saraswati Shishu Vidya Mandir, Bam  
Percentage: 92%

- AUG.2019 - OCT.2019 C.V. Raman College of Engineering Research**
- Critiqued some of the most cited research papers in the domain of stock market, and performed an initial literature review to get acquainted with the various ML and DL techniques on Time Series dependent data sets.
  - Multiple Experiments have conducted by developing LSTM,GRU,BLSTM,BGRU,CuDNNLSTM and CuDNNGRU models on 9 real-time benchmark stock indices of different size data sets and Comparative Evaluation has done by considering each model's performance and accuracy which predict tomorrow's market price will up or down.
  - I submitted this paper in Computational Intelligence which is at peer-review state
- DEC.2019-JAN2020 National Institute of Technology, Rourkela Research**
- Compiled different known database workloads such as YCSB and TPCC and played around with different knobs for tuning Postgres and enhancing Autonomous Postgres tuning.

## Achievements/Certifications

- JULY 2020 Certified Kubernetes Administrator (CKA) CNCF**
- JULY 2019 Apache Spark with Scala - Hands On with Big Data Udemy**
- NOV 2019 Machine Learning and Deep Learning Udemy**
- JUN 2018 Android Development Naresh IT**

## Side Project

- AUG. 2019 Stream Processing of Twitter Data using Apache Spark**
- Connected with twitter API and receive live tweet. This model is capable of fetching chunk of streaming updated data in every One second.
  - save tweets to disk such as saving streaming data to persistent storage, accessing the RDD's inside a DStream, RDD partitioning and RDD caching etc.
  - Keep tracking the Most Popular Hashtags and average tweet length
  - Listening to streamed data on a tcp socket and used regular expression to parse data.
- Nov. 2019 Deploy Fleet-Management System in Kubernetes**
- Deploy microservice based Application (<https://github.com/DickChesterwood/k8s-fleetman>) in minikube.
  - Replica Sets Control, Deploy ActiveMQ as a Pod, handle network and service discovery and Persistence Volume Mount.
  - Able to run k8s in AWS cloud, logging and monitoring k8s cluster with Prometheus and Grafana, Alert management, Handle requests and Limits and continuous deployment on k8 cluster.