

# R Venkateswara Rao

Sr.Python Programmer | Big Data analytics | Cloud Developer

Passionate Programmer with 5+ years of experience in design and development of various Web and standalone applications.Data Analysis ,Develop API's for Machine learning and Excited to implement statistical machine learning solutions for live streaming.

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## WORK EXPERIENCE

### Technical Consultant

Central Research Laboratory(Bel), Bangalore.

02/2019 - Present

Role

- Discusses technical and design issues with other developers, managers, users or customers whenever necessary to achieve best solution
- Experienced with full software development life cycle, architecting scalable platforms, object oriented programming, database design.
- Working on Image Query Search in Video libraries using OPENCV(Python).
- Experienced in developing web-based applications using Python, Flask, Django, XML, CSS, HTML, JavaScript and JQuery.
- Micro service deployed using docker deployment platform.
- Experience in Big Data technologies like Hadoop, Spark and PySpark.
- Worked on Opencv algorithms And development applications on Face recognition Real time streaming (Python) with MongoDB.

### Jr.Python Developer

SanctusIT,Hyderabad.

06/2015 - 02/2019

Role

- Investigate new technologies, tools and processes and make recommendations for adoption
- Good knowledge in Web scraping with python for data science.
- Experienced in working with Python IDE like IDLE, PyCharm,Anaconda.

## EDUCATION

### M.Tech in computer science,

JNTUH University,

11/2012 - 12/2014

### B.Tech in Computer science,

SVIET Institute, JNTU Kakinada University,

08/2008 - 04/2012

## TECHNICAL SKILLS

Python

MongoDB

Kafka

Docker

Pyspark

OpenCV

JavaScript

HTML5

PostgreSQL.

OpenStack

Hadoop

Machine Learning

Flask

## TECHNICAL PROJECTS

### Data analytics services for Private cloud for Smart City Project.

Bharat Electronics Limited (Bel)

02/2019 - 08/2020

**Project Mode:** Video Surveillance system

**Role and Responsibility:** Design and Development of given Modules.

- Reverse Image Search: In the module, we have written the micro service which take query image of a person and retrieve the same person from the database (Mongo DB).
- First formulate the query to extract the feature of the person and then apply the machine learning algorithm for identify the person feature using store features of the persons.
- Finally retrieve the feature of the person and create the videos as per the meta data information (which we are asking in the query
- Object Recognition: Design and development of micro service for object recognition from the various camera feeds using kafka streaming.

### AGTOOLS ADMIN PANEL

SanctusIT

05/2017 - 02/2019

**Description:**

- Our Team is working on Admin Panel which provides information to the Management about the Users Registered and the commodities they subscribed with the AgTools.

### Illustration Analytics

SanctusIT

11/2015 - 04/2017

**Data Analyst(Google Analytics).**

**Tasks/Achievements**

- The platform allows users to connect to their Google Analytics data and create advanced dashboards and reports. User will be able to view the overview of your website visitors across multiple time periods, regions, channels, devices and much more.