



# Shirish Erra



## PROFILE

18/05/1995

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## OBJECTIVE

To build my carrier by acquiring a Data Scientist/Machine Learning Engineer position in a well established company and to work hard with high degree of commitment and sincerity in a challenging and creative environment where my capabilities and technical skills are best utilized.



## SKILLS

MACHINE LEARNING



DEEP LEARNING



PYTHON



SQL



DATA MINING



IMAGE PROCESSING



C PROGRAMMING



DATA SSTRUCTURES AN  
D ALGORITHMS



JAVA



LOGSTASH



## EDUCATION

June 2017



July 2019

**UNIVERSITY OF HYDERABAD**  
**M.Tech in Information Technology**

Percentage / Grade : 7.8 CGPA

AUG 2013



May 2017

**KAKATIYA UNIVERSITY COLLEGE OF  
ENGINEERING AND TECHNOLOGY, WGL**  
**B.Tech in Information Technology**

Percentage / Grade : 74.94 %



## WORK EXPERIENCE

2020-Dec



2021-Mar

**TATA CONSULTANCY SERVICES**  
**Role : Python Developer**

Implemented different kinds of business rules in Python and BigQuery as part of Data Correction project. The idea is to correct all the corrupted customer data based on the business rules provided by the business management.

2019-Sep



2020-Nov

**TATA CONSULTANCY SERVICES**  
**Role : Developer**

I have been working as a developer in the project called **iMDM**(interim Master Data Management). It stores all the customer insurance data at a single point . We have used the following technologies to develop the project:

- \* Spring Boot
- \* Angular
- \* Logstash
- \* Big Query



## PROJECTS

2020-Apr



2020-May

**FACE MASK DETECTOR**  
**Team Size : 1**

I had implemented the mask detector during the Covid-19 pandemic, this will detect whether the person wears mask or not.

2020-Feb



2020-Mar

**CHARACTER RECOGNITION OF IMAGES USING  
OCR**  
**Team Size : 1**

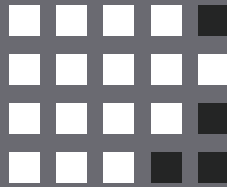
I developed a model in python which will detect characters in any images, the size of the data set is 20k and my model accuracy is 90%.

BIG QUERY

HTML

CNN

ANGULAR



## INTERESTS

- Music
- Chess
- Karate
- Badminton



## REFERENCES

**Dr. Anjeneya Swami Kare**

Asst. Professor at University of Hyderabad

**email** : askcs@uohyd.ac.in

**cell** : 9666315357

I'm planning to extend this project to apply this model on real time data set.

2020-Jan



2020-Jan

### RISK MODELLING FOR THE RETAIL DATA SET.

**Team Size : 1**

I did this project as part of one week Hackathon called Abacus AI/ML Hackathon-2020 conducted by TCS. According to this there is a bank retail dataset of 1 Lakh customers. This data contains 16 features like Credit\_Score, No.of\_inquiries\_in\_last\_5\_years, No.of\_bank\_accounts\_the\_customer\_has, Education and Gender etc.,. I developed a classification model to classify whether the customer is good or bad. My model classified the testing data with 99% accuracy.

2018



2019

### POWER EDGE SET PROBLEM ON CACTUS.

**Team Size : 1**

Cactus is kind of graph where each edge is part of at most one cycle. The Power Edge Set is a minimum number of edge set which will capable of cover all the vertices of the cactus. As part of this project i proposed an algorithm to find out the Power Edge Set on Cactus graphs.

2016



2017

### GROUP KEY AGREEMENTS WITH LOCAL CONNECTIVITY.

**Team Size : 5**

Secured message sharing web project among the registered group members using generated confidential key.



## CERTIFICATIONS

2021

### Machine Learning with Python

from FreeCodeCamp

2021

### Python

from HackerRank

2020

### Neural Networks and Deep Learning

from Coursera by *Andrew Ng*

2020

### Machine Learning

from Coursera by *Andrew Ng*

2020

### Building a Recommendation System with Python Machine Learning & AI

from LinkedIn



## HONORS & AWARDS

2021

Received a Special Achievement Award for being in the top 50 Digital Masters in TCS.

- 2018 Participated in South India Inter University Chess Tournament-2018
- 2018 Secured 91 percentile in GATE-2018
- 2017 Runner in KU Inter University Chess Tournament
- 2013 Secured college 1st rank in Intermediate
- 2004 First place in Karate conducted by WFSKO



## ACTIVITIES

### \* Image Processing

I have been part of a team of 5 members from TCS where we have an idea of developing a project on Image Processing. The project outline is to auto recognition of vehicle number from a video.

### \* Hacker Rank Competitions

I used to participate in Hackathons whenever I would get a chance to improve myself better.