



# FAIZ MOHAMMED

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ARTIFICIAL INTELLIGENCE & IOT ENTHUSIAST  
**DATA ENGINEER @ TATA CONSULTANCY SERVICE**  
**DRIVEN BY TECHNOLOGY AND BUSINESS**

## EDUCATION

### Anna University, Thiagarajar College of Engineering

Jul'15 - May'19

#### B.TECH IN INFORMATION TECHNOLOGY

- Coursework: Data Structures & Algorithms, Internet of Thing, Data Base Management System, Web Technologies, Probability & Statistics, Data Mining, Big Data
- CGPA: 7.83 out of 10; Grade: First Class

### Mahatma Montessori Higher Secondary School

Jul'13 - Apr'15

- Coursework: Tamil, English, Maths, Physics, Chemistry, Computer Science
- School Percentage: 79%

### Mahatma Montessori Secondary School

Till Apr'13

- Coursework: Tamil, English, Maths, Science, Social Science
- School Percentage: 92%

## EXPERIENCE

### DATA ENGINEER

#### Tata Consultancy Service

Jul'20 - Present

- Designing and Developing a platform for Data Monetization for Belgium post, using Apache Spark cluster-computing framework in EMR layer of the Amazon Web Service.
- Developed model to automate tasks like Unique person matching, Golden ID generation, address matching using Casper API.
- Initiated an IOT based solution for condition monitoring system using current signature analysis. (Winner RioAthon - Innovation)

### DEVELOPER

#### Tata Consultancy Service

Jun'19 - Jul'20

- Improved data accessibility for the leading multinational consumer goods corporation company, P&G, by developing a full-fledged Java Rest API using the STEP Data management framework.
- Enabled a data driven foundation for business innovation by structuring Business Rules using JavaScript in STIBO STEP.

### BUSINESS

### ANALYST

#### GoSchedule

Aug'19 - Present

Responsible to understanding the voice of the customer to anticipate their needs. Delivered industry, market, and product insights to support road-map, positioning and campaign development thus contributing in 24% of company's growth of April 2020.

### DEVELOPER

### INTERN

#### Google Device Lab

Apr'18 - May'18

- Designed an automated solar panel cleaning system using IoT for the betterment of the solar panel users.
- Worked with Developers of Google on data visualization and data analysis

## RECENT SKILLS

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### Technology

Data science, Machine Learning, PySpark, IoT

### Platform

Amazon Web Service, Tableau, MS Excel, MS PowerPoint

### Software Frameworks

Python, Java, HTML, CSS, MySQL

## PATENTS FILED

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### SYSTEM AND METHOD FOR SPEED REGULATION IN VEHICLES

April'19

- A dynamic vehicle speed regulator in response to speed limits using clutch control mechanisms through a Zigbee based communication system.
- Patent Application No. 201941014854
- Mentor: Dr. A. Thenmozhi

### AUTOMATIC SALINE MONITORING SYSTEM

June'19

- An automated instrument to stop the blood's reverting and an alarm system to alert the nurse/caretaker in charge.
- Patent Application No. 201941022631
- Mentor: [Dr.R.Suganya](#)

## PROJECTS

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### Analyzing Zomato Restaurant Data using Python

Data Visualization on Zomato Restaurant Datasets to obtain valuable insights to help the restaurants in deciding its theme, menus, cuisine etc

### Piezo Electric Shoes

Current generation through shoes using piezoelectric sensors. The current generated can be stored and used for different purposes like charging their phone.

### Analysis of Monogenic Disorder using data mining algorithms

Through IOT devices we collected the data and used algorithms like C4.5 to diagnosis the Monogenic disorder for children below the age 7.

### Automatics Railway monitoring system using TSP2

Electronic interlocking with centralized operation of points and signals to eliminate human error using IOT.

### Vegetable Price Prediction Using Regression Analysis in R.

VPP is an application that predicts the price of the vegetables based on the demand, seasons and other 11 attributes, using Linear Regression Algorithms to predict the price.

### Automatic Saline Monitoring System

An automated instrument to stop the blood's reverting and an alarm system to alert the nurse/caretaker incharge

### Maximum Speed Controlling Using RF Communication System

A dynamic vehicle speed regulator in response to speed limits using clutch control mechanisms through a Zigbee based communication system.

## CONFERENCES

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- "Analysis and Prediction of the vegetable price using the data mining clustering and classification techniques", in International Conference on Business Analytics and Intelligence (ICBAI- 2018), Indian Institute of Science, IISc, Bangalore during 20th – 22nd Dec 2018. I.K. International Publishing House Pvt.Ltd. New Delhi.
- "Analysis of Monogenic Human Activity Recognition data using Data mining algorithms" in Fifth International Conference on Business Analytics and Intelligence (BAICONF 2017) at IIM Bangalore
- Care-For-You a Mobile-based Autistic Child Activity Recognition" in young Indians (YUSTART 2018), an integral part of the Confederation of Indian Industry (CII) at the Indian Institute Of Management Bangalore.
- "Transforming Communities: Empowering Lives", IUCEE SCALE Annual Student Conference 2019 held at CMR college of Engineering, Hyderabad

## HONORS

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- **Winner** of RioAthon innovation challenge by TCS [2020]
- **Runner up** in the MHRD Smart India Hackathon for the development of Railway signal automation [2019]
- **All India Rank 1** in the annual student conference at CMR Hyderabad [2019]
- **Second Place** in the IOT championship at IIT Roorkee [2018]
- **JAVA Excellence:** Qualified Java programmer by NIIT [2016]
- **Top 8** in the MHRD Smart India Hackathon for the development of smart evaluation app [2017]
- **"The Sliver Standard International Award"** as the best social activist [2016]
- **62nd State Rank in** International French Language Examination [2015]
- Big Data and IOT- The Strategies for Smart Environments
- **2nd prize** in "Cooperate social responsibility" in YUKTI a National level management and cultural fest of TSM [2018]
- **Joint Secretary** of Department Of Information Technology
- **1st prize** in Google IT conducted by Cognoblaze at Alagappa Chettiar College Of Engineering and Technology [2017]

## RECREATIONS

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### Voluntary Work

Scibe, Swatch Bharat India, Educated village girls to empower tomorrow, wall painting

### Explore

World, Cars, Food Varieties especially Ice creams

### Physical Activity

Gym, Badminton, Tennis, Football, Cricket

### Follow Up

Elon musk, Poetry, Business and Entrepreneurship

### Facts

Know 7 Languages, A Dancer by nature, Prefer Red to Black