# Shahul Es

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## Education

B Tech Computer Science & Engineering | Govt. Model Engineering College | 2020 | GPA:8/10

Class XII
Jama-ath Residential Public School | 2016 | 91%

## Skills

Languages: C, Python, SQL, Basics of Java,C++

Data analytics : Exploratory data analysis ( Matplotlib, Seaborn, Plotly, geopandas )

Data Science : Predictive analytics, data mining, preprocessing, feature engineering, modeling & prediction, ensembling, PCA, SVD, LDA, t-SNE, NLP, Classification, Regression, clustering

Deep learning : Neural Networks, CNN, LSTM, RNN , Unet , YOLO

Machine learning APIs : Keras, TensorFlow, Scikit-Learn, NumPy, SciPy, Pandas, NLTK

Operating Systems : Unix, Windows

Certifications: Data Science Specialization by University of Michigan

Deep learning Specialization by Deeplearning.ai

## Extra-Curricular

Lead Organizer & Speaker @ School of AI,Kerala
- Organized talks & workshops
- Brought industry professionals and experts to guide students

Head of Analytic and Strategic team @ Excel 2019 & Govt. Model Engineering College
- Gained Valuable insights from data
- Applied it to publicize fests

## Work Experience and Internships

**Since Aug'19** — Data Scientist — *Concepts.ai, Trivandrum*
Build Reciprocity Recommendation Engine for Dating website.I was responsible for creating core algorithms that power the recommendations.I was also responsible for doing Exploratory data analysis to gain valuable insights from data.
Technologies used : Python,ML tools,nltk

**Apr-Jun'18** — Application developer — *Fourth-Ambit,Ernakulam*
Worked as an application developer in Alumni-Reach project which aims to build a platform that collects and displays achievements of college Alumni.
Technologies used: Python,Mongo db,Node.js

## Research and Projects

**May-Jun'19** — DSFG: City of LA
Data science for good, City of LA was an analytic competition launched in Kaggle by City of LA mayor. The task was to clean and analyze the data provided to improve work quality and promotion system of Los Angeles. Solution earned a gold medal and remains as the most up voted notebook for the competition.
Technologies used : Python, Matplotlib,seaborn, nltk, NumPy.

**Jun-Aug'19** — Tackling class imbalance
In IEEE fraudulent transaction detection challenge, I took over the task to balance the imbalanced data-set and provided and exhibited various methods and their effect on the evaluation metric.
Technologies used : scikit-learn,SMOTE,imblearn

**Jul-Aug'19** — Understanding Clouds patterns from Satellite images
In this project my aim was to remove haze from climate models and bring clarity to cloud type identification. Implemented Mask R-CNN and Keras Unet segmentation models.
Technologies used : Keras Unet,Mask R-CNN

**Apr-May'19** — Zomato EDA and LSTM model
Done an Exploratory data analysis on Zomato Bangalore data using geospatial analysis. Cleaned and prepossessed restaurant reviews and did sentimental analysis on it using LSTM network.
Technologies used : plotly,nltk,LSTM

## Achievements

**Kaggle Expert 2x**
Became the first kaggle double tier expert from the state of Kerala

**Ranked in Kaggle top 100**
Ranked as 55th in Kaggle World wide ranking system.Out of 100k users.

## MOOCs

**MOOCs** — Applied Data science specialization by University of Michigan .Completed 4 out of 5 courses.
Currently pursuing final course of Deep Learning Specialization on Coursera.Successfully completed 4 out of 5 courses of this specialization.

## References

https://www.kaggle.com/shahules
https://github.com/maverick100