# SAYAR BANERJEE

Data Scientist and Technical Writer

## CONTACT ME

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## SKILLS

**Programming:**
Python(Proficient), Java (Intermediate), Kotlin (Intermediate), Javascript (Intermediate), R (Proficient), SQL(Intermediate), Shell (Intermediate)

**Machine Learning/Deep Learning:**
Keras (Proficient), Tensorflow (Proficient), Scikit-learn (Proficient), Pytorch (Proficient)

**Dev Ops:**
Google Cloud (Intermediate), AWS (Intermediate), Azure (Intermediate), Docker (Intermediate), Kubernetes (Intermediate)

## ACHIEVEMENTS

- Udacity scholarship for Machine Learning Engineer Nanodegree,
- Rank 4 in Hackerearth's predict the criminals competition.
- Kaggle Master
- 89th percentile in BAT (Bloomberg Aptitude Test)
- Alpha Lambda Delta Honor Society.

## CERTIFICATES

- ML Engineer Nanodegree by Udacity and Microsoft.
- Deep Learning by Deep Learning.AI in Coursera.
- Machine Learning by Stanford University in Coursera.

## WORK EXPERIENCE

**BUSINESS ANALYST (DATA SCIENCE)**    BANGALORE, INDIA
Indihood                                                         August 2018 - Present

- **Neural Transliterator:** Designed, implemented, and deployed a serverless Neural-based text transliterator from scratch in **Tensorflow** and **Keras** that automatically transliterates textual data from English to Indian languages and from Indian languages to English. This project helped improve data quality for over 100000 users.
- **Business Intelligence:** Formulated and engineered a reporting mechanism to automate reporting of key performance indicators for board members, auditors, and investors of a client organization using **Pandas, Docker** and **Kubernetes**.
- **Data Pipelines:** Architected and maintained several big data pipelines for ETL and batch processing jobs on proprietary databases using in-house ORM libraries, **Apache Beam,** and **Google Cloud Dataflow**.
- **Data Web Application:** Created a prototype data visualization web application capable of visualizing client data and improved the UI of an existing web application using **Dash, Javascript, CSS,** and **Heroku**.
- **Loan Management System:** Developed an MVP of a loan management system in **Microsoft Excel** and **Google Sheets** that is capable of tracking the life of a loan.

**ML CONSULTANT (PART TIME)**    BANGALORE, INDIA
Mon Avis                                              June 2020 - Feb 2021

- **Computer Vision:** Helped to develop a Deep Learning model capable of categorizing fashion images using **Pytorch** based on seven different categorical features.
- **Recommender Engine:** Designed APIs for a recommendation system via principles of reverse image search that is capable of recommending items of clothing to users based on user tastes and item similarity measures.

## PROJECTS

**Data Visualization Web Application – Covid-19 Tracker**
Utilized Johns Hopkins University's Covid-19 data to develop a web application that visualizes the outbreak and updates data on a daily basis.

**Technology Blog**
Written articles for renowned data science and programming publications on Medium and for Analytics India Magazine.

## EDUCATION

**UNIVERSITY OF ILLINOIS AT URBANA - CHAMPAIGN**
Bachelors in Economics and Statistics              2013-2016
**INSOFE AND CARNEGIE MELLON UNIVERSITY**
Post Graduate Program in Data Science              2017-2018