

# Shadab Hussain

Data Scientist

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## WORK EXPERIENCE

### Analyst- Data Scientist

The Math Co. [🔗](#)

10/2019 – Present

Bangalore, IN

### Data Scientist

Proven Consult [🔗](#)

05/2019 – 09/2019

Bangalore, IN

- Eagle Eye OCR- Developed an inhouse tool to process images/pdf for extracting data and applied NLP on it for further analysis
- Gender Classification- Built a CNN for classifying images of males and females and also scaled it for predicting age group
- Automated data processing from multiple sources on their RPA tool
- Automated data scraping for a client website, which also involved processing and extracting data from PDFs

### Consultant

Pluralsight [🔗](#)

12/2018 – 04/2019

Remote

- Reviewed and created blueprints and questions related to Data Science and Machine Learning Assessments

### Systems Engineer

Infosys Ltd. [🔗](#)

12/2017 – 05/2019

Mysore, IN

- Automated Machine Learning Certification- Developed an automated machine learning certification for Infosys internal certification.
- Automated Essay Scoring- Developed an essay scoring algorithm and implemented it to create a machine learning model. The model is used to score essays in Infosys training.
- Sales Forecasting- Cleaned and Processed Data, applied basic ML models, forecasted sales for next three months for the given Time Series data.
- Automated Image Captioning- Developed a demo model using ResNet50 architecture on Flickr8K dataset for generating captions of any input image.

## EDUCATION

### Post Graduate Diploma in Data Science

IIIT-Bangalore

09/2018 – Present

Bangalore, IN

### Bachelor of Technology- Computer Science

United Institute of Technology

07/2013 – 06/2017

Allahabad, IN

## SKILLS

Python

SQL

Machine Learning

Data Analysis

NLP

Deep Learning

R

Kibana

Apache Spark

Tableau

Flask

AWS (Lambda, S3, EC2, RDS)

Google Docs API

Selenium

PySpark

Docker

## PERSONAL PROJECTS

### Funding Management

- Designed a machine learning model via PCA & Clustering to identify the cluster of countries which needs funding for development

### NYC Taxi Company

- Worked with BIG Data Analysis to enhance data of the trip information

### Telecom Churn

- Designed a machine learning model via Tree Models to predict the Telecom churn and identify the customers who may leave the network

### Beer Recommendation Engine

- Built a recommendation engine using collaborative filtering for recommending top liked beer for a particular customer

## PUBLICATIONS

Assessment of Interpolation Methods for Solving the Real-Life Problem by Shadab Hussain, Vivek Srivastav, Srinivasarao Thota (2014) [🔗](#)

International Conference on Mathematical Science and Applications

Quadratically Convergent Algorithm for Computing Real Root of Non-Linear Transcendental Functions by Shadab Hussain, Vivek Srivastav, Srinivasarao Thota, Sheeza Hafeez (2014)

National Conference on Applications of Mathematical and Engineering Sciences

A new Proposed Numerical Algorithm for Computing Real Root of Functions by Shadab Hussain, Vivek Srivastav, Srinivasarao Thota (2015)

National Conference on Emerging Trends in Physics of Fluids & Solids

## TALKS/ACHIEVEMENTS

Python for Data Science at Electronics For You Conference, Bangalore in 2019

Tweet-Driven MozFest-Storytelling at Mozilla Festival, London in 2018

First winner in Open Source on Azure Hackathon organized by Microsoft & Govt. of Telangana at Hyderabad in 2016