## Vikas Kasina

## Machine Learning Engineer

Experienced Software Engineer with a demonstrated history of working in the information technology industry. Skilled in Python, Machine Learning Algorithms, Deep Learning, Tableau, Probability & Statistics. Currently serving notice period and actively looking for data science roles.

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#### **WORK EXPERIENCE**

## Tata Consultancy Services Machine Learning Engineer

07/2018 - Present

Chennai -> Hyderabad

#### **PROJECTS**

#### Business Analysis (04/2019 – Present)

- Role Machine learning engineer
- Client Pepsico
- Domain Consumer product goods
- Project-based on business analysis of file flow data transmitting through our integration cluster. We are responsible for giving client intuition about business performance in making practical decisions that helped in the revenue growth of PepsiCo by around 15%. Tools we use are Power BI to generate reports for multiple trading partners; Tableau, plot.ly for visualizations and machine learning, deep learning techniques to get meaningful insights from data. Data-driven problem-solving.

## Object tracking in low light environment - Computer Vision (01/2019 – 04/2019)

- Role Machine learning engineer
- Client Ford Motor Company
- Domain Automobile
- Client demo project where we built SSD from scratch which detects and recognizes an object in the low light environments using handheld devices. The technologies used were Python, Tensorflow, Kears, Android studio, deep learning - Recursive Convolution Neural Networks(RCNN); fast RCNN model we trained after data mining.

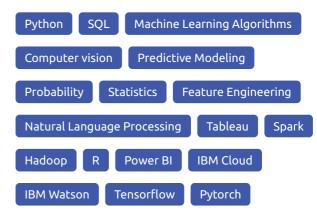
# Digitalize handwritten documents - Computer Vision (09/2018 – 12/2018)

- Role Machine learning engineer
- Client SASTRA University
- Domain Education
- Handwritten text recognition project to convert handwritten documents
  to text files. Simply click a picture of the document and the application
  converts it to a text file that can be modified and saved. The technologies
  we used were Python, OpenCV, deep learning convolution neural
  networks, Textboxes++(paper) and a final CNN model trained on A\_Z
  handwritten data.

#### Revenue Prediction - Financial (07/2018 – 09/2018)

- Role Machine learning trainee
- Client TCS Internal
- Domain Finance
- Incubator project on predictive modeling for revenue of the upcoming fiscal year based on current company performance in different domains. Responsible for giving intuition about different factors affecting returns and help in making decisions for controlling expenditure. Tools and techniques used were Python, R; Machine learning regression algorithms for modeling; Matlotlib, Seaborn, plot.ly for data visualization.

#### **SKILLS**



#### **CERTIFICATES**

IBM Data Science Professional (09/2019 – Present)

Machine Learning with Python (09/2019 – Present) Coursera

Data Visualization with Python (09/2019 – Present)

Data Analysis with Python (08/2019 – Present)

Coursera

#### **LANGUAGES**

#### English

Full Professional Proficiency

#### Hindi

Native or Bilingual Proficiency

#### Telugu

Native or Bilingual Proficiency

## **INTERESTS**

Astrophysics Quantum Computing

Meta-Cognition Psychology

## **EDUCATION**

## **Post Graduate Diploma in Data Science IIIT-B** International Institute of Information Technology Bangalore

09/2019 - Present

Full-time - Upgrad

## Bachelor of Science - BS Osmania University

05/2015 - 04/2018

Courses

 Mathematics, Physics & Computer Science

## **Pre-University**

**KMIIT** 

04/2013 - 04/2015

Courses

 Mathematics, Physics & Chemistry

## High-School

St. Peter's Model School

06/2008 - 05/2013

Courses

- CBSE