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

Python | SQL | Machine Learning Algorithms | Computer vision | Predictive Modeling | Probability | Statistics | Feature Engineering | Natural Language Processing | Tableau | Spark | Hadoop | R | Power BI | IBM Cloud | IBM Watson | Tensorflow | Pytorch

CERTIFICATES

IBM Data Science Professional (09/2019 – Present)

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

Data Visualization with Python (09/2019 – Present)
Coursera

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