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OBJECTIVE:

Looking for job in the field of **Data Science and Data Analytics** for utilising my skills to the utmost level.

SUMMARY:

- I have **2.5 Years of Experience as Data Analyst and Data Scientist** with hands on work on **Model Building , Report Generation,Data Visualization.**
- I have worked on different **Machine Learning and Deep Learning techniques for doing Predictive Modeling(Regression, Classification),Image Classification,Object Detection,Text Summarization.**

SKILLS:

- **Python** (NumPy, Pandas, Sk-learn, Matplotlib, Seaborn, Tensorflow, Keras, Pytorch)
- **MS Office** (MS-Excel-Pivot table, Charts, V-LookUp, MS-Powerpoint , MS-Word)
- **DataBases** (SQL-My-Sql, Oracle)(NO-Sql- MongoDB)
- **BI and Visualization** (Power BI (Power Query, DAX), Tableau)
- **Big Data** (Hadoop,Pig ,Hive, Spark)

WORK EXPERIENCE:

1.INEURON INTELLIGENCE(JULY'20-Present)

- Worked on Computer Vision and Natural Language Processing Projects as an Intern
- Tools and Techniques-**Pycharm,Jupyter,TensorFlow,Keras,Pytorch**
- Technologies-
InceptionNet,VGG,ResNet,FastRCNN,FasterRCNN,YOLO,SSD,LSTM,Transformers,Encoder-Decoder,BERT

PROJECTS:

1.AUTOMATIC NUMBERPLATE RECOGNITION:(OCR,SSD-MobileNetv2,FasterRCNN,GCP API,Flask,TF-1)

- This is a numberplate detection problem where in parking area we have to capture entry time,exit time of vehicle and detecting number plate then fetching **vehicle registration no. then getting details through vahan.nic.in.**
- Detecting Number Plate and Fetching Information using OCR
- Used SSD and FasterRCNN Model for Detection
- Evaluation Metrics-**FPS-40,mAP-65,IOU threshold-50%**

2.FACE RECOGNITION BASED ATTENDENCE SYSTEM:(MXNET,MTCNN,DLIB,TKINTER,TF-1)

- This is a Face Recognition System where a Desktop App is created to **recognize the face and track a person.**

Use Cases-**Company Attendance System,Helmet Detection if not detected then capture the face.**

- Detecting the faces using MTCNN,converting frames into Embeddings,DeepInsight face recog.DLIB for Tracking
- Faces were recognized with **100% accuracy.**

3.HAND DETECTION IN SHREDDER MACHINE:(SSDliteMobileNet,TF-1)

- It is a **Safety Project** where we have to **Detect a Hand when It crosses a safety Line and ring alarm.**

- If garbage is detected then nothing will happen but If hand is detected then machine will stop.
- From live video stream frames are captured and pass through CNN.
- Evaluation Metrics-**FPS-15,Confidence-93 to 98%**

4.TEXT CLASSIFICATION:

- Objective of this model was to **classify news article into 5 categories**.
- The Architecture which was used for multiclass classification was **LSTM**.
- First Data processing was done using NLP after that the data was inputted into Neural Network.
- After 10 Epochs **accuracy was 86%**.

2.Arifortech Solution Pvt. Ltd.(Gurgaon):[Data Science Analyst (Maritime Domain)](Jan 2020-Present)

Roles and Responsibilities:

As a Data Analyst:

- Extracting Ships Data from **Oracle DataBase and WindWard software** using SQL Query, Preprocessing and cleaning Data in **MS-excel**.(Categories-Cargo,Tankers, Events-Port Call,meeting,Dark activity)
- Visualizing Data and Making Dashboards and Reports using BI Tools-**Power BI and Tableau**
- Performing **Statistical Analysis**,Descriptive Statistics and Predictive Modeling using **Python** to generate actionable insights.

As a Data Scientist:

- Objective of the Project is to **predict relationship b/w IUU and Rendezvous for Transshipment**.
- Transshipment was 42%(High Seas),58%(EEZs),data used was from 2012 to 2017
- IUU Fishing-Illegal Unregulated Unreported,Rendezvous(Likely-500m,>3hrs,<2knots)(Potential-500m,>8hrs)
- Used **Linear Regression** to get line of Best fit(**one outlier-FAO-61,R-square=.32**)

TRAINING AND CERTIFICATION UNDERTAKEN:

1.Post Graduate Program In Data Analytics (Imarticus Learning) (Oct'2018-July'2019):

- In this Program I got training in Python(OOPS,Numpy,Pandas,SKlearn),PowerBI,Tableau,SQL,MS-Excel

2.Machine Learning By Stanford University:

- I have completed online course of **Machine Learning by Andrew Ng** from Coursera.

Advik Technologies Pvt. Ltd.:(July 2016-July 2018)

- Worked as a Data Analyst(**Employee Management System,Salary Management System**)
- Worked on Employees Data using **MS-Excel** to create **Pivot Tables, Charts and Dashboards**.
- Worked on DataBase- **My-Sql**

Preparation For Banking And SSC Exams: (July 2012 – June 2016)

- I got online training for Quantitative Aptitude, Reasoning, Verbal Ability.
- I qualified for IBPS PO CWE twice in year 2014,2015 upto Final Interview Round.

INTERESTS AND EXTRACURRICULAR ACTIVITIES:

- Presented on “**Search Engine Optimization**” for PowerPoint Presentation Event in K.N.G.D Modi Engineering College in March'11.
- Participated in “**Personality Development Program**” conducted at K.N.G.D Modi Engineering College from February'11 to April'11.
- Participated in workshop: “**Tech On**” on **AI, ML, IOT and CS** at **IIT DELHI** in Sep 2018.

EDUCATION:

Bachelor of Technology in Computer Science from K.N.G.D MODI ENGG. COLLEGE, Modinagar,2012:
Percentage:**68%**

Intermediate from B.P.M.P OMER INTER COLLEGE, Banda, U.P, 2007:
Percentage:**74%**

High School from B.P.M.P OMER INTER COLLEGE, Banda, U.P, 2005:
Percentage:**73%**