Indrajeet Kumar

Data Scientist

A-203 Concorde Tech-turf, Electronic City Phase-I, Bangalore 560100
+91 8797261882|6200721688
Indrajeet.kumar.phe14@itbhu.ac.in

Profile Snapshot:

" Data Scientist having experience in Deep Learning domain. Skilled in Python, Predictive modeling, Data analysis & visualization. Open to learn new technologies".

Technical Exposure:

Programming:-Python, C++
Database:-Mysql,Sqlite
ML Tools:-Sklearn, Scipy, Numpy, Pandas, Seaborn, Matplot, RDKit
DL Frameworks:- PyTorch
ML Algorithms:- KNN, Logistic reg, Linear reg, SVM, Naïve Bayes, RF,EnsemblingModel .
DL Algorithms:- MLP,CNN,RCNN, RNN, LSTM, GCN.
Web development: Flask.

Education:

BTech & MTech (IDD)
(2014-19)
CGPA:-7.05/10.0

Indian Institute of Technology BHU Varanasi

Achievement:

1) Got 560 rank inGATE18
2) Got Dakshana fellowship for IIT
3) Got2nd rank in HydraxeventinTechnex14

Position of Responsibility

1) Training and placement cell representative2018-19
2) Analytical event head coordinator Spirit-17
3) Event coordinator of dakshana at IIT BHU Varanasi

Honors/Award

Best employ of the month (May)-Spot award(Innominds)

Work Experience:

Innominds @ Bangalore **(21 Jan 2021 - Current)**
Data Scientist

AceVision Group **(21 Feb21 - current)**

1) Working on image processing for OCT images of eye.
2) Finding eye pore diameter, distance, volume, radius, depth using detection and segmentation technique.
3) Created hybrid network using U-Net and Mobile net architecture to get real time inference.
4) Fine tuned YOLO-v5 for eye pore detection.
5) Implemented custom weighted BCE + Dice loss for Segmentation.
6) Implemented specific automatic annotation technique using image processing.
7)Used multiprocessing and multithreading to run application faster.

Exposure: Python, Pytorch, Computer vision, Azure, cv2.

BayesLabs @ Bangalore **(22 July19 – 20 Jan21)**
Data Scientist

legaciestechno.com **(22 June20 – 30 sep20)**
Build various Facial Analysis API

1) Build face attribute API (face detection, face matching, facial landmarks,age, gender, emotion) and tested on postman.

Exposure: Deep Learning, Flask, Rest-APIs, Classical computer Vision (HOG).

Worked for building AI Libraries: Full-Stack Drug Discovery pipeline using AI

Exposure: Python, Deep Learning, PyTorch, RDKit (GCN, GAT, MPNN), CNN, Google cloud.

Responsibility:-

1) Building the models for Drug-Target binding affinity prediction using CNN.
2) Building GCN models for drug properties prediction.
3) Building deep learning Multi label classification model for metabolic pathway prediction.
4) Implemented interpretability for all the models ex-Integrated Grad, LRP.

Online courses:

- Applied machine learning from Applied AI.
- Data science and machine learning(udemy).
- Coursera: Structuring machine learning project.
- Coursera: Convolutional neural network.
- Coursera: AI for medical diagnosis.

Link:

https://github.com/abchotujnn1/
https://www.linkedin.com/in/indrajeet-kumar 654aa1148/
https://medium.com/@indrajeet.kumar.phe14