

Indrajeet Kumar

Data Scientist

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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, Matplotlib,
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) Got2ndrank 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>