

Paras Varshney

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[LinkedIn/blurred-machine](#)

[GitHub/blurred-machine](#)

EDUCATION

Northeastern University, Boston, MA

Master of Science in Data Analytics Engineering

Sept.. 2022 – May. 2024

Statistical Methods, Deterministic Operations Research, Artificial Intelligence, Advanced Machine Learning, AI.

Indian Institute of Information Technology, Kurnool, AP

Bachelor of Technology in Computer Engineering (CGPA: 9.06/10)

July. 2016 – June. 2020

Calculus, Linear Algebra, Data Structures & Algorithms, Machine Learning, Artificial Intelligence.

WORK EXPERIENCE

LogicAI (KaggleDays), Warsaw, Poland

Data Scientist

Sept. 2021 – Present.

- Developing end-to-end flow for 13 global data science competitions under the "KaggleDays World Championship".
- Preparing open-source modules and data processing with state-of-the-art training and testing solution pipelines for each competition on Kaggle. Developing frameworks for automating the data flow process in a competitive environment.

India Urban Data Exchange (IISc. Bangalore), Bangalore, India

Data Scientist

Sept. 2020 – Sept. 2021

- Developed open-source ITMS data pipelines with low latency on real-time data projected on an Analytical Dashboard running high throughput message emission and processing in the back-end. Developed SDK for iudx catalogue APIs.
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RESEARCH PROJECTS

DeepFace & FaceNet ensemble Smart AI Attendance Engine (Computer Vision, DNN, Facial Recognition)

Guide: Mr. Akash Deep Singhal, Founder & Director, Illumnus

Feb. 2020 – June. 2020

- Deep Facial Recognition mapping based on gaze point estimation to mark attendance as well as authentication of students before a online test using a single image clicked from the portal while logging in.
- Tech: Python3, OpenCV, PyTorch, Flask, Data Science Life cycle, AWS Deployment.

Bayesian Statistical Approaches to develop Dynamic Pricing Models (Optimization, Supply & Demand)

Guide: Prof. D.V.L.N. Somayajulu, Ph.D. (IIT Delhi)

Oct. 2019 – Dec. 2019

- Estimated Churn Analysis and market segmentation with RFM scoring and Uplift Modeling based on Bayesian Networks.
- Tech: Python3, Seaborn, Bokeh, Jupyter Notebook, Feature Engineering, Statistical Inferences.

Computational Semantic for Natural Language in Sentiment Analysis (NLP, ML, Applied Mathematics)

Guide: Prof. D.V.L.N. Somayajulu, Ph.D. (IIT Delhi)

May. 2019 – Jul. 2019

- Research oriented, developing word embeddings for binary text-polarity classifier based on movie reviews, using Stanford open data, build over various ML models.
- Tech: Python3, BoW, TF-IDF, n-Gram, Word2Vec, Doc2Vec, PV-DM, PV-DBOW.

Video frame Analysis with edge estimation for Road Congestion Control (SIH, Computer Vision, Arduino, Android)

Guide: Dr. Renjith P., Ph.D. (IIITDM)

July. 2018 – Sept. 2018

- A Smart AI Traffic Light System Using CCTV, monitors the road lane density statistics and switches streetlight signals. Admin Android App to monitor emergencies and critical conditions, with 360 degree rotating and scanning camera setup.
 - Tech: Python3, Java, Raspberry pi 3B+, Arduino, Firebase, YOLO, OpenCV, CCTV.
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ACTIVITIES & HONOURS

- Recognized as one among 16 Global Data Science Ambassadors with Z by HP & NVIDIA, Sept. 2020 - Present.
 - Kaggle Master with a global rank under 63 out of 194K active Data Scientists (LB - Top 1%), April 2020 - Present
 - President of the Cultural Affairs Society at IIIT. Organized techno-cultural fest SOLASTA-19, June 2018 - July 2019.
 - Data Science Author at Towards Data Science, Analytics Vidya and Data Driven Investor at Medium.com, April 2020.
 - Interests: Guitarist (IIIT Band), Speed Cuber (30s), Table Tennis (CBSE clusters, inter-IIIT).
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SKILLS & OTHERS

Languages: Python3, R, C/C++, JAVA, SQL.

Frameworks: Scipy, Scikit, PyTorch, Keras, NLTK, openCV, Flask, AWS Machine Learning.

Platforms: Linux, Windows, Arduino, Raspberry Pi, AWS Cloud, Heroku, Firebase, Storm, Flink, Samza.

Tools: Jupyter Notebook, Pycharm, Visual Studio, Android Studio, Git, Tableau, Superset, H2O, MongoDB.

REFERENCES

Prof. D.V.L.N. Somayajulu, Ph.D.: (Director at IIIT-K) director@iiitk.ac.in, 08518 289100

Mr. Abhay Sharma: (Chief Technology Officer at IUDX, IISc.) abhay.sharma@datakaveri.org, +91-9845943551