

# Paras Varshney

Portfolio: [parasvarshney.ml](https://parasvarshney.ml)

Github: [github.com/blurred-machine](https://github.com/blurred-machine)

LinkedIn: [linkedin.com/in/blurred-machine](https://linkedin.com/in/blurred-machine)

Email: [paras.varshney97@gmail.com](mailto:paras.varshney97@gmail.com)

Mobile: +91-7358337024

## EDUCATION

- Indian Institute of Information Technology** Kurnool, India  
• *Bachelor of Technology - Computer Science; CGPA: 9.06* July 2016 - June 2020  
*Courses: Data Structures, Algorithms, Databases, Artificial Intelligence, Machine Learning, Deep Learning, Business Statistics*

## SKILLS SUMMARY

- **Languages:** Python, R, C/C++, JAVA, JavaScript, SQL
- **Frameworks:** Scipy, Scikit, TensorFlow, Keras, NLTK, openCV, Flask, AWS Machine Learning, Restful API
- **Platforms:** Linux, Windows, Arduino, Raspberry Pi, AWS Cloud, Heroku, Firebase, Apache Storm
- **Tools:** Jupyter Notebook, Pycharm, Visual Studio, Android Studio, Git, Tableau, Superset, H2O, MongoDB
- **Soft Skills:** Leadership, Team Management, Public Speaking, Problem Solving, Responsible & Reliable

## EXPERIENCE

- **India Urban Data Exchange (IUDX), IISc Bengaluru** Bengaluru, Karnataka  
• *Data Scientist (Full-time)* Sept 2020 - Present
  - **ITMS:** Working on building an open-source Intelligent Transport management system with real-time data.
  - **Data Warehousing:** Working on data warehousing techniques and developing data ingestion pipelines. Developed scientific researches to enhance company's efficiency and productivity.
- **Illumnus Ed.Tech.** New Delhi  
• *Mobile Engineer, ML Intern (Full-time)* May 2019 - April 2020
  - **Native Android Applications:** SaaS-based 3 Android Apps on MVVM Architecture using technologies like Material Design, Glide, Retrofit, Pubnub, Firebase, GCP, zxing, Lifecycle components, VCS, Google Play Deployment.
  - **Managed Team:** Responsible for handling the Technology Team for Agile Model based product development.
  - **Recommendation System:** Collaborative filtering RS for Teachers based on Teaching patterns in virtual classroom.
- **Magicbricks** Noida, Uttar Pradesh  
• *Android Developer Intern (Full-time)* May 2018 - July 2018
  - **Computer Vision:** Text classifier vision API Integration to extract Property Advertisements from Newspapers.
  - **Modules and Libraries:** Custom Modules for Permissions, Camera, Auto-Complete Search, Location Optimization.

## PROJECTS

- **Automatic AI-powered Attendance engine (Computer Vision, DNN, Facial Recognition):** (In progress) Research oriented, Deep Facial Recognition mapping attendance for all students from just one image clicked by the Teacher.  
Tech: Python3, OpenCV, Tensorflow, Flask, Data Science Life cycle, AWS Deployment. (Mar '20)
- **Dynamic Pricing based Hotel Revenue Management (Price Optimization, Supply & Demand):** Churn Analysis, Segmentation, RFM Scoring, Sales, Market Response, Uplift Modeling, LTV Prediction, A/B Testing Design and Execution.  
Tech: Python3, Seaborn, Bokeh, Jupyter Notebook, Feature Engineering, Statistical Inferences. (Dec '19)
- **Sentiment Analysis on IMDB movie reviews (NLP, Optimization, Machine Learning):** Research oriented, Binary text-polarity classifier based on movie reviews, using Stanford open data, build over various ML Models to improve Accuracy.  
Tech: Python3, BoW, TF-IDF, n-Gram, Word2Vec, Doc2Vec, PV-DM, PV-DBOW (October '19)
- **Smart AI Traffic Light System Using CCTV (SIH, Computer Vision, Android):** Video Frames Analysis, monitors the road lane density statistics and changes the streetlight signal colours. Admin Android App to monitor emergencies.  
Tech: Python3, Java, Raspberry pi 3B+, Arduino UNO, Firebase, YOLO, OpenCV, CCTV Video Imaging (Sept '18)
- **RastaNapo: Track, Trace Foots & Win Cash (Native Android App, Location Tracking, Contests):** Android Application motivating user to migrate by tracking travel history and find most optimized routes on Google Maps, Running based contests, Maps available without Internet availability.  
Tech: Java, XML, Gradle, Android Studio, VCS, Firebase, Material Design, Play Store (Aug '18)

## ACTIVITIES AND HONORS

- Kaggle Master with a global rank under 190 out of 131K active Data Scientists - Kaggle.com
- Kaggle 3X-Expert in Notebooks, Datasets and Discussions - Kaggle.com
- HackBout Hackathon Finalist (36+ hours Hackathon at NMIT, Bangalore) - Mar, 2020
- HackerEarth ML Open Challenge global rank under 300 out of 5100+ participants. - June, 2020
- Data Science Author at Towards Data Science, Analytics Vidya and Data Driven Investor - Medium.com
- Certified Data Scientist with Python Track (DataCamp), Android Development Training (Acadgild)
- Interests: Guitarist (IIIT Band), Speed Cuber (38s), Table Tennis (CBSE clusters, inter-IIIT), Competitive Coding

## VOLUNTEER EXPERIENCE

- Codigo Club Coordinator: Conducted technical events, talks, seminars and workshops. (2017 - Present)
- Cultural Secretary: Organized annual fest, events, workshops, core planning committee member. (2018 - 2019)