# Paras Varshney

Portfolio: parasvarshney.ml
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## EDUCATION

- **Indian Institute of Information Technology** — Kurnool, India
  *Bachelor of Technology - Computer Science; CGPA: **9.05*** — *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, Retrofit, Glide
- **Platforms**: Linux, Windows, Arduino, Raspberry Pi, Cloud Web Services, Firebase, Pubnub, AWS
- **Tools**: Jupyter Notebook, Pycharm, Android Studio, GIT, Tableau, Superset, H2O, MySQL, SQLite
- **Soft Skills**: Leadership, Team Management, Public Speaking, Problem Solving, Responsible & Reliable

## EXPERIENCE

- **Citrusberry** — Remote
  *Data Science Intern (Internship)* — *Jan 2020 - Mar 2020*
  - **Dynamic Pricing**: Time Series Modelling on Sales & Marketing data based on various supply and demand features.
  - **Analytical Dashboards**: BI Dashboards using Superset and Tableau to enhance sales for clients' business.

- **Illumnus Ed.Tech.** — Pune, Maharashtra
  *Mobile Application Developer, Data Science Intern (Full-time)* — *May 2019 - Oct 2019*
  - **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*
  - **Google Computer Vision API**: Text classifier 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 form 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)

## CERTIFICATIONS

- **Deep learning with advance computer vision and NLP (iNeuron)**: 8m online training, 30+ projects (Apr '20)
- **Google AI - Explore ML Intermediate Track (Google)**: Machine Learning & Deep Learning Fundamentals (Feb '20)
- **Data Scientist with Python Track (DataCamp)**: 100+ hours of 26 courses specialization on Data Science (Feb '20)
- **Android Development Training (Acadgild)**: Classroom Training on Advanced Android Development (May '18)

## ACTIVITIES AND HONORS

- HackBout Hackathon Finalist (36+ hours Hackathon at NMIT, Bangalore) - Mar, 2020
- Data Science Author at Towards Data Science, Analytics Vidhya and Data Driven Investor - Medium.com
- Interests: Guitarist (IIIT Band), Speed Cuber (38s), Table Tennis (CBSE clusters, inter-IIIT), Competitive Coding

## VOLUNTEER EXPERIENCE

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