

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 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 3X-Expert with a global rank below 500 out of 1.3 Million active Data Scientists.
- 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
- Certified Data Scientist with Python Track (DataCamp), Android Development Training (Acadgild)
- Data Science Author at Towards Data Science, Analytics Vidya and Data Driven Investor - Medium.com
- Interests: Guitarist (IIIT Band), Speed Cuber (38s), Table Tennis (CBSE clusters, inter-IIIT), Competitive Coding

VOLUNTEER EXPERIENCE

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