

Paras Varshney

COMPUTER SCIENCE @ IIITK · DATA SCIENCE · MACHINE LEARNING · ANDROID DEVELOPER

Pratibha Colony, Banna Devi, Aligarh 202001

☎ +91-7358337024 | ✉ paras.varshney97@gmail.com | 📱 paras009 | 📧 pv009 | 📧 paras.varshney97

About

"I am a dedicated & self-motivated individual with 9+ months of professional working experience in Software & Android Development. Highly passionate about Data Science & Machine Learning. Creative & Perceptive with a never giving up approach in life. Looking for a full-time Data Science role where I can learn and contribute to the best of my abilities."

Education

Indian Institute of Information Technology Design & Manufacturing

Kurnool, Andhra Pradesh

B.TECH IN COMPUTER SCIENCE

August 2016 - Present

- Passed 7 semesters with a CGPA of **9.05/10**.
- Scored **Rank 1** for first semester in Institute across all branches.
- **Código club** coordinator with active contributions.
- Head Cultural coordinator for the academic session 2018-19.

Experience

Citrusberry Solutions Pvt. Ltd.

Mumbai, Maharashtra

DATA SCIENCE INTERN

Jan 2020 - March 2020


- Working on enhancing and improving the e-commerce business experience by implementing Machine Learning approaches like Dynamic Pricing, Churn Analysis, Customer Segmentation, Sales Analytics, Market Response.
- Used Business intelligence tools like Tableau and Apache Superset for building business analytics dashboards.

Illumnus Education Technologies Private Limited (IIT Bombay)

Pune, Maharashtra

MOBILE APPLICATION DEVELOPER & DATA SCIENCE (R & D) INTERN 

May 2019 - October 2019


- Building a SaaS based cloud ecosystem for educational institutes on Android platform for Real-time Collaboration. 
- Implemented Search Engine, Optimized Push Notifications using GCM & Firebase, Assignment Creating, Submission & Grading, Optical Bar code Detector, Performance Data Analysis & Administration Visualizations.
- Built a Recommendation System for teachers to get content sharing recommendations for students based on their teaching pattern.

Magicbricks Realty Services Limited (The Times Internet Group)

Sec 18-Noida, Uttar Pradesh

ANDROID DEVELOPER INTERN, R&D RESEARCHER & API DEVELOPER 

May 2018 - July 2018

- Implemented Optical Character Recognition using Mobile Vision API for detecting property advertisements from Newspapers. 
- Back-end Implementation of secured property verification and Photo shoot Services API using Spring Boot & Hibernate Frameworks.
- Built modules for improving Search Engine, Location Optimization, Battery Management Services and User Interface in Magicbricks Android Application.

Technical Skills

PROGRAMMING LANGUAGES : Python 3 • C/C++ Programming • Java 8 • Kotlin • R Programming.

CORE CS : Programming and Data structures • Algorithms • Database Systems • Object Oriented Programming • Operating Systems • Computer Networking • Artificial Intelligence • Machine Learning for Engineering & Science Applications.

LIBRARIES & FRAMEWORKS : pandas • NumPy • matplotlib • Scikit-Learn • seaborn • openCV • TensorFlow • Keras.

DESIGN & SIMULATIONS : Raspberry pi • Arduino UNO • Xilinx • AutoCAD • AutoDesk Fusion • Sketchbook Pro • InVision Studio

SIMULATIONS : Arduino UNO • Raspberry pi • Xilinx • TivaBoard-C.

ML TECHNIQUES : Data Wrangling • Modeling • Statistical Analysis • Machine learning • Neural Networks & Deep Learning.

WEB TECHNOLOGIES : HTML5 • CSS • Bootstrap 4.0 • Spring Boot • Spring Hibernate.

TOOLS & IDEs : Android Studio • Pycharm • R-Studio • Jupyter Notebooks • ISE Design Suite • Git • Firebase • Microsoft Power BI • Tableau • Apache Superset.

Projects & Research

Automatic AI powered Attendance system

Data Science & Research

A COMPUTER VISION BASED IMAGE CLASSIFIER MODEL.

Mar'20 - present

- AI classifier model follows the pattern image detection, filtering and image recognition using computer vision techniques.
- The teacher can take image of whole class through their mobile device and all the present students gets attendance.

Hotel Revenue Management based on Dynamic Pricing

Data Science & ML

A PRICE OPTIMIZATION MODEL BASED ON DYNAMIC PRICING.

Jan'20 - Mar'20

- A Highly Accurate ML model trained over open data-sets to predict the dynamic price of a hotel room based on various factors.
- The model takes into consideration about the demand and supply for a hotel room in a particular location and generate Recency-Frequency-Monetary scoring to predict the final price which pleases the customer as well as bringing a positive revenue for the hotel.

Sentiment Analysis on IMDB movie reviews

Data Science & Research

A NATURAL LANGUAGE PROCESSING BASED TEXT CLASSIFYING DATA SCIENCE PROJECT

Oct'19 - Dec'19

- Built a binary text polarity classifier on users reviews for a movie using the IMDB data set by analysing multiple Research Papers.
- Implemented NLP techniques like as Continuous Bag of Words, Word2Vec, Doc2Vec, PV-DM, PV-DBOW, etc. to increase the accuracy.

Smart AI Traffic Light System Using CCTV (Smart India Hackathon)

Machine Learning & IoT

A MACHINE LEARNING AND IoT BASED AUTOMATIC TRAFFIC LIGHTS CONTROLLING SYSTEM

Sept'18 - Dec'18

- With a team of 6 members as a part of SIH, built a computer vision based Automatic Traffic Lights Controlling System that senses on traffic density on road, monitors the road statistics and changes the streetlight signal accordingly, prototyped on Raspberry pi 3B+
- The analysis is send to an Android App for the Administration use through Firebase cloud for complete lights switching access.

RastaNapo: Track, Trace Foots & Win Cash

Android Application

AN ANDROID APPLICATION FOCUSED ON TRACKING USERS TRAVELLED PATH

May'18 - Aug'18

- RastaNapo is an Android Application that helps user to find optimized routes to reach the destination in shortest possible time.
- App tracks users' path travelled from the source to destination and stores it locally which can be accesses without internet usage.
- Application motivates user to travel by running contests to win prizes for users who crosses any event's distance limit.

Certifications

Feb'20	Google AI Explore ML Intermediate Track , Completed Intermediate Machine Learning Track.	Google
Dec'19	Data Scientist with Python Track , 100+ hours of 26 courses specialization on Data Science.	DataCamp
Dec'18	Data Science: Visualization , A course focusing on Data Visualization techniques & Analysis.	edX
May'18	Android Development Training , Completed Android Developers Advanced training in Java.	Acadgild
Aug'17	Machine Learning Workshop , A workshop on learning basics of Machine Learning and AI.	Shaastra
Sep'16	Gesture Controlled Robotics Workshop , Learned & Built gesture controlled bot using Arduino.	SP Robotics

Activities Honours

2020	HackBout Finalist , Selected for the 36+ hours Hackathon held at NMIT, Bengaluru	IIITDM Kurnool
2018-19	Cultural Club Secretary , Organized talks & workshops, conducted various events and annual fest.	IIITDM Kurnool
2017-18	Código Club Coordinator , Conducted workshops for Android and various technical events.	IIITDM Kurnool
2017-18	Social Service Group Member , Participated in various cleanliness drives & fund-raisers.	IIITDM Kurnool

Interests & Hobbies

Guitarist (IIITDM Band) • Speed Cuber (under 40 sec) • Table Tennis (CBSE clusters twice, District Thrice, runner up in inter-IIIT) • Competitive Coding • Science-fiction Movies • Astronomy • Robotics • Model making • Travelling & Running • Skating • Swimming.

References

Sudnagar Piridi (Training & Placements Officer) : placement@iiitk.ac.in +91-9137423677

IIITDM Kurnool

Akash Deep Singhal (Director & CEO, Illumnus) : akash@illumnus.com +91-7738983120

Illumnus Education Technology