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Viditya Tyagi

Data Scientist

SUMMARY

- 7+ years of experience growing revenue for different clients in various domains associated with TCS
- Passionate about getting **stories** out of data from **industrial** and open sources to explore the hidden treasure out of the unexplored data
- I have the required experience to design or develop software systems, using **scientific** analysis and mathematical **models** to **predict** and measure outcome and consequences of design
- Seeking to leverage skills in traditional Machine Learning to churn the knowledge out of the various structured and unstructured data sources

KEY SKILLS

• **Data Science • Natural Language Processing • Chatbot development • Machine Learning**

Tools & IDE used: Visual Studio, PyCharm, Jupyter Notebook

Languages: Python, C#

Databases: MS SQL Server

TECHNICAL SKILLS

Exploratory Data Analysis(EDA)

Linear\Logistic Regression

Clustering

Decision Trees

Random Forest

Boosting (Adaboost, GBM, XGBoost)

Natural Language Processing (NLP)

Chatbot development using RASA

PROFESSIONAL EXPERIENCE

IT Analyst

Mar '13 - Present

Tata Consultancy Services

Noida (UP)

- Work experience of **7** years in various domains using ASP.Net and related services
- Worked on various projects related to **Data Science** and looking for more challenging work in this domain
- Worked on data exploration and creating **data visualization** using open source data

Product Information Management(PIM)

- Worked on creating the environment to generate impex and media files that are further used by the client to update information on various channels
- Automated the process of generating the catalogs by **50%** using Python selenium which helped the client to improve the delivery to their customers

Integrated Data Management(IDM) for various clients

- Worked on building the dashboard, audit trails and reports to facilitate various steps involved in clinical trials of medical products and for managing the information and visualizing the data to decide the success of trials
- The data from these trials is used by researchers to **statistically** test the efficacy of prescriptions

Visualization of Mission Antyodaya

- Designed a dashboard using **RShiny** that takes these parameters as input and helps the users to visualize the performance of various states in India on certain parameters that **transform** lives and livelihoods of people living in the villages of India. (Link: [Villages under Antyodaya Mission \(shinyapps.io\)](http://Villages under Antyodaya Mission (shinyapps.io)))

Visualization of Government Hospitals of India

- Explored open source data from a government of India website and created a dashboard for the same. (Link: RPubs - Project Leaflet)

Chatbot for tracking daily corona cases

- Developed a **chatbot** that would give the current status of the location asked by the user and **integrated** it with the Telegram application

EDUCATION

B.Tech in Computer Science & Engineering

Jun '08 - May '12

Bundelkhand Institute of Engineering & Technology

Jhansi(UP)

BIET, Jhansi is an autonomous engineering college under the accreditation of Abdul Kalam Technical University(AKTU), Lucknow

CERTIFICATIONS/TRAINING

- Basic Data Science Specialization** | Coursera | Online | Mar 2019
- Pursuing PG Diploma in Machine Learning and AI** from Upgrad