

## **Akash Rai**

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**Objective:** Seeking a employment that allows me to grow professionally, while being able to utilize my skills for the betterment of the organization with the best of my dedication and determination

### **Profile:**

- Around 5.3 years of experience in information technology field primarily in Python scripting and Machine Learning.
- Deliver solution according to agreed scope and time line.
- Proactive and quick at learning new concepts.
- Analyzing key features in Data (understanding data).
- Understanding of data scraping and natural language processing.
- Knowledge of Python, MySQL, BeautifulSoup, Machine Learning, NLTK, SpaCy, Pandas.

### **Current Employer:**

**Company:** AgreeYa Solutions

**Designation:** Sr. Software Developer

**Experience:** 22 May 2020 – Till Date

### **Projects Undertaken:**

#### **1) Multi Touch Attribution:**

- Involved in development of Mullti Touch Attribution model for the client's ads data.
- Extract the journey data from Google Ads Data Hub
- Developed pipeline to consume the extracted data in order to generate the model.
- Worked closely with Marketing Team to understand the parameters for the MTA model.
- Technology Used: Python, PySpark, Google Big Query, AWS EMR

#### **2) Data Exchange Platform:**

- Involved in development of platform for data exchange between stakeholders.
- Developed pipeline to consume data sent via API on Azure cloud.
- Consumed data after validation was stored on Cosmos Db.
- Technology Used : Python, Azure Functions, CosmosDB

### **Previous Employer:**

**Company:** Tata Consultancy Services Limited

**Designation:** IT Analyst

**Experience:** 12 Oct 2015 – 27 Apr 2020

### **Projects Undertaken:**

#### **1) Big Data Analytics Platform – Client Confidential**

- Understanding BRS document, Analysis of requirement and proposing estimates for the same.
- Involved in creating a platform to generate 360 profile of person from web data.
- Collected and integrated data from various sources such as Twitter, Facebook, News websites etc.
- Developed pipeline to provide extracted news articles to Information Extraction engine from free flowing text.
- Working on information extraction(entities and relationship) from news articles to build 360 profile of a person.

## **2) Banking Domain – Client Confidential**

- Develop a portal build Online Price Index by extracting price data from different online retailers on daily basis.
- Involved in development of connectors to extract data from online retailers for the products
- Extracted price data was standardized and stored on Hive
- Scheduled the connectors in parallel using Oozie workflow.
- Technology Used: Python, Hive, Oozie

## **3) Real World Evidence Platform:**

- Develop a platform to integrated clinical journals data from various databases such as PubMed, Medline etc. which can use for analysis under life science domain.
- Involved in development of connectors to extract journals from publicly available databases for clinical journals.
- Used Natural Language Processing along with FlashText to extract entities from the journals and segregate the entities on the basis of their categories.
- Technology Used: Python, MySQL, NLP

## **4) Airline Domain – Virgin Atlantic**

- Develop a web portal to provide extract airline reviews from web and provide analytics.
- Involved in development of web crawler to extract reviews from airlinequality.com
- Extracted data was stored in SQL database.
- Build a pipeline to provide the scraped data to sentiment analysis engine for sentiment generation.
- Technology Used: Python, Scrapy, MySQL

## **5) Retail Domain – Marks & Spencer**

- Provide maintenance and enhancement support to Multi User Warehouse Management System application
- Development of automation scripts to enhance the application stability.
- Adhere to procedures and policies to ensure proper handling and timely escalation of end-users issues.
- Used Pandas, Regex, file operation in python.

## **Educational Qualification:**

- Bachelor of Technology in Electronics and Communication Engineering (72.5%) from BVCOE, GGSIPU, Delhi in the year 2015.
- Completed Intermediate (86.6%) in the year 2010 from Kendriya Vidyalaya, Delhi.
- Completed Matriculate (87%) in the year 2008 from Kendriya Vidyalaya, Delhi

**Key Technical Skills:**

- Languages: Python, C, PySpark,
- Database tools: SQL
- Web Crawling, Data Cleaning, Oozie Workflow designing, Solr indexing
- Knowledge of HiveQL and Hbase

**Other Information:**

- TCS internal certification
  - Python
  - Machine Learning
- Volunteer Work
  - TCS Purpose4life in three focus areas of Health, Education and Environment
- Work References
  - Upon Request