Rahul Kumar

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Experienced data science professional with excellent leadership and interpersonal skills. Having 3+ years hands-on experience utilizing **statistical modelling**, **Data Science, Machine Learning and Artificial Intelligence**. Adaptable and eager to succeed with next career challenge

# CO RE CO MPE TENCIES

### Data Science

**Statistical Analysis/ Data Modelling Machine Learning**

**Natural Language processing Deep Learning**

**Liaison & Coordination Stakeholders Management**

**PRO FI LE SUM MA RY**

* **Data Science Professional** having rich & qualitative experience of **nearly 3+ years** in **Healthcare Industry** and **Banking application Enhancement**
* Expert in defining business problems, working with **manipulating data**, developing **Data Science and analytical algorithms & solutions,** and devising **analytical models into production environments**
* Worked closely with various teams to encourage **statistical best practices**

with respect to **experimental design, data capture and data analysis**

* Exposure in **Deep Learning technologies** to develop prototypes and analytical models with new and existing clients using the application of new, innovative capabilities.
* Qualitative experience in leveraging **Machine Learning algorithms** and applied statistics with visualization and a strong sense of data exploration
* Rich experience in leading, building and improving Machine Learning projects and in-depth understanding of enterprise-level Machine Learning use cases.

**SKI LLS**

**Programming Styles:** Python, Machine Learning Algorithms, Deep Learning Algorithms **Libraries:** Numpy, Pandas, SciPy, Scikit-Learn, Matplotlib **Databases**: SQL,

**IDE:** Jupyter Notebook, Spyder, MATLAB, Tableau

**Environments:** AWS, Anaconda, PyCharm, MATLAB

**Mathematical Skills:** Trained onStatistics, Having knowledge of Java, Learned C#

* Actively participating in Hackathons on Hacker earth.

# ORGANISATIONAL EXPERIENCE

**Data Science – Data Scientist | Tecversa IT Solutions, Hyderabad. Sep 18 – Till Date**

* Ability to collaborate with multiple teams with minimal supervision.
* Perform data sourcing, data mining, as well as model development & validation
* Understand the business problem, identify the key challenges, formulate the machine learning problem and provide/prototype solutions
* Manage data collection, data quality, and data blending
* Experience in advanced statistics and SQL with a strong ability to write complex queries
* Excellent understanding of machine learning techniques and algorithms.
* Ability to do data analysis in Python and translate analysis results into business actions
* Published multiple application handbook for teams to refer
* Conduct ad hoc and deep dive analyses to derive insights and recommendations related to digital trends and consumer behavior
* Selecting features, building and optimizing classifiers using machine learning techniques.
* Extensively worked on K-Nearest Neighbor.
* Data Analyses (EDA) was done thoroughly by considering all dimensions.
* Data mining using state-of-the-art methods.
* Extending company's data with third party sources of information when needed.
* Enhancing data collection procedures to include information that is relevant for building analytic systems. Processing, cleansing, and verifying the integrity of data used for analysis.
* As part of project **Logistic and Linear Regression** was used extensively.

## Used performance and Accuracy techniques.

* Variable selection is important in developing predictive model with good accuracy. This involved usage of dimension reduction algorithms.

**BDE - | Delight facility management solutions . June 16 – May 18.**

**PROJE CTS UNDE RTAKE N**

### Handwritten digit recognizer

* + Exploratory Data Analysis
  + Feature Engineering with Interaction Terms
  + Evaluated RMSE Score for Regression Model

### Fraud Detection

* + Exploratory Data Analysis
  + Balanced Dataset with Undersampling, Oversampling and SMOTE
  + Precision-Recall Trade-off
  + Evaluated F1 score for cross validation

### Optical Character Recognition

* + Extracted text from image using pytsseract
  + Extracted text character by character, word by word and only numbers

### Sentiment Analysis with Amazon Reviews

* + Performed NLP based Tokenization, Lemmatization, vectorization and processed data in Machine understandable language
  + Designed and modeled Naive Bayes algorithm for data analysis to determine sentiment polarity of data set

### Genetic disorder and it’s subclass

* + Exploratory Data Analysis
  + Feature Extraction and Feature Engineering
  + Handled outliers using Z-score.
  + Evaluated F1 score for cross validation

# ACADEMIC DETAILS

* **B-Tech in Electrical &** **Electronics Engineering** from JNTUH with 73.5% in 2015.

I hereby declare that all the above-mentioned details are true to the best of my knowledge

Thank you