

# TRINAYAN GOLAJAPU

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## **Profile Summary:**

Programmer Analyst with 2+ years of experience in interpreting and analyzing data in order to drive successful business solutions. Good knowledge in statistics, exploratory data analysis and machine learning algorithms. Excellent understanding of business operations and analytics tools for effective analyses of data.

## **Work Experience:**

**Job Title** : Programmer Analyst  
**Company Name** : Cognizant Technology Solutions  
Chennai,Tamilnadu.  
**Duration** : July 2019 – present

## **Technical skills:**

**Programming Languages** : Python,MySQL  
**Tools known** : MySQL workbench  
**Libraries** : Numpy, Pandas, Matplotlib, Scikit-learn, Tensor flow, Keras.  
**Exploratory Data Analysis, Tableau, Data Preprocessing, Machine Learning and Deep Learning.**

**Education:**

Course	Institution	Percentage/GPA	Year
B. Tech (Civil Engineering)	Vellore Institute of Technology (VIT).	8.1 (CGPA)	2015-2019
Intermediate	Tirumala Junior Kalasala, Rajahmundry.	94.9%	2013-2015
S.S.C	KKR Gowtham concept school, Rajahmundry.	9.5 (CGPA)	2012-2013

**Projects:**

Project Name	<b>Automated Ticket Processing Using NLP – Cargill</b>
Role & Contribution	<p>The idea behind this Machine Learning project is Re-routing tickets to appropriate teams without using the help-desk team help.</p> <ul style="list-style-type: none"><li>• Have been involved in analyzing the data.</li><li>• Using pandas, created calculated columns for detailed analysis.</li><li>• Created dashboards with required insights.</li></ul> <p>We got a final results with 97% accuracy.</p>
Key Skills	<ol style="list-style-type: none"><li>1. Exploratory Data Analysis.</li><li>2. Data Pre-processing.</li><li>3. Navie Bayes Algorithm.</li></ol>

Project Name	<b>Donors Choose.Org</b>
Role & Contribution	<p>The idea behind this Machine Learning project is to predict whether or not a DonorsChoose.org project proposal submitted by a teacher will be approved .</p> <ol style="list-style-type: none"><li>1. Applied Sentiment Analysis on features from NLP.</li><li>2. Using Glove Vectors calculated TF-IDF W2V on features.</li><li>3. Plotted Heat Maps and Confusion matrix .</li><li>4. Built Logistic Regression Model by taking only non-zero features from the dataset.</li><li>5. AUC scores is used as a performance metric.</li></ol>

Key Skills	<ol style="list-style-type: none"> <li>1. Univariate Analysis.</li> <li>2. Exploratory Data Analysis.</li> <li>3. Vectorization on each Feature. <ul style="list-style-type: none"> <li>• Bag of Words</li> <li>• TFIDF Vectorization.</li> <li>• One Hot Encoding.</li> </ul> </li> <li>4. Navie Bayes Algorithm.</li> <li>5. Decision Tree Classifier.</li> </ol>
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### **Case Studies:**

Title	<b>Facebook Friend Recommendation using Graph Mining (Machine Learning Case-Study)</b>
Description	<p>Problem Statement :</p> <p>Given a directed social graph, have to predict missing links to recommend users.</p> <p>Business objectives and constraints :</p> <ol style="list-style-type: none"> <li>a) No low-latency requirement.</li> <li>b) Probability of prediction is useful to recommend highest probability links.</li> </ol> <p>Performance metric :</p> <ol style="list-style-type: none"> <li>a) Precision &amp; Recall &amp; F1 Score</li> <li>b) Confusion Matrix</li> </ol>
Key Skills	<ol style="list-style-type: none"> <li>1. Exploratory Data Analysis.</li> <li>2. Feature Engineering <ol style="list-style-type: none"> <li>a) Jaccard &amp; Cosine Similarities</li> <li>b) Page Rank</li> <li>c) Shortest Path</li> <li>d) Adar index</li> <li>e) Katz Centrality</li> <li>f) HITS Score</li> </ol> </li> <li>3. Modelling</li> </ol>

Title	<b>Self Driving Car (Deep Learning Case-Study)</b>
Description	In this case study i have used convolutional neural networks (CNNs) to map the raw pixels from a front-facing camera to the steering commands for a self-driving car. This powerful end-to-end approach means that with minimum training data from humans, the system learns to steer, with or without lane markings, on both local roads and highways. The system can also operate in areas with unclear visual guidance such as parking lots or unpaved roads.
Key Skills	<ol style="list-style-type: none"> <li>1. EDA : Steering Angles.</li> <li>2. Mean Baseline Model</li> <li>3. Deep Learning Model : Deep Learning for Regression</li> <li>4. Convolutional Neural Network</li> </ol>

### **Awards & Certification:**

- Certified in **Introduction to Programming using Python** on 18 July,2020 by **Microsoft** .

### **Strengths:**

- Time Management
- Good Team Player.
- Adaptability

### **Hobbies:**

- Gym
- Listening to music

### **Personal details:**

**Father's name** : G. Venkata Ramana  
**Mother's name** : G. Santhi  
**Languages known** : Telugu, English, Hindi (Basics)  
**Date of Birth** : 11-11-1997

### **DECLARATION:**

I do hereby declare that the information furnished above is true to the best of my knowledge.

**(TRINAYAN)**