

# Sudheep Vutchuru

TX

903-461-9692

sudheepreddyvutchuru@gmail.com

## Summary

Highly Motivated Data Engineer with a strong background in SQL, ETL processes, and BI tools like Tableau. Over 3 years of experience in designing and optimizing data pipelines to translate complex datasets into clear insights, boosting decision-making processes. Proven track record of enhancing business processes and driving growth through efficient data management and analysis.

## Skills

- **Databases** : Oracle, MySQL, Microsoft SQL
- **ETL Tools** : Informatica
- **Programming Languages** : Python, Scala, MATLAB
- **Cloud Technologies** : AWS, GCP
- **Data Formats** : CSV, JSON, Parquet
- **Querying Languages** : SQL, NO SQL, MySQL, Microsoft SQL
- **Integration Tools** : Ansible, Docker
- **Scalable Data Tools** : Hadoop, HDFS, Hive, Apache Spark, Pig, Map Reduce
- **Operating Systems** : Red Hat Linux, Unix, Windows, macOS
- **Reporting & Visualization** : Tableau, Matplotlib
- **Version Control Tools** : GitHub

## Experience

**Data Science Intern**, 11/2022 — 02/2024

### BEPEC SOLUTIONS

- Improved insights extraction by 15% through sentiment analysis on customer feedback using NLP
- Enhanced prediction accuracy by implementing machine learning models and performing statistical analysis with Python, PowerBI, and NLTK
- Increased email processing efficiency by 25% through text extraction, summarization, classification, and categorization using ML algorithms
- Identified frequent and relevant words more effectively using Count-Vectorizer, TF-IDF, and Word2Vec techniques
- Ensured timely delivery of analyses by coordinating with cross-functional teams, serving clients, business analysts, and system analysts.

**Machine Learning Data Associate**, 03/2021 — 11/2021

### Amazon Development Centre Private Limited

- Systematically escalate problems or variance in the information to the relevant owners, teams or managers according to the defined processes and standard
- Understand performance metrics and process requirements to drive business results in live environment
- Analyze and detect exceptions
- Meet predetermined and assigned productivity targets and quality standards within expected deadlines.

**Data Engineer Intern**, 12/2019 — 05/2020

### Renault Group

- Conducted ad-hoc data analyses to support cross-functional project development
- Designed and optimized data pipelines to ensure efficient data flow and processing
- Utilized ETL tools to extract, transform, and load data, improving data accessibility and quality
- Implemented data visualization solutions using BI tools to enhance report accessibility and facilitate data-driven decisions
- Identified and recommended new methods to streamline data-related business processes, achieving up to 15% cost savings.

## Education

**05/2024 Texas A&M University**

**Masters in Computer and Informational Sciences**

## **Certifications**

- SQL For Data Science
- Tableau for Data Science by coursera

## **Projects**

### **Solar Powered Four Wheel Vehicle (Tools used AutoCAD, Ansys):-**

- The overall project is to Design and fabrication of Solar powered Four Wheel Vehicle.
- This type of vehicle would be suited to replace traditional combustion engines for everyday transport activities.
- The normalization of a vehicle of this type would dramatically reduce the amount of carbon dioxide produced by vehicles and reduce the demand for oil.

### **Tourism Information System (Software used - JAVA):-**

- The motive of the project is to develop a system that automates the processes and activities of a travel agency.
- The purpose is to design a system using which one can perform all operations related to traveling and sight-seeing.  
In the present system a customer has to approach various agencies to find details of places and to book tickets.