# Revanth R

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## Education

**Coimbatore Institute of Technology**                                  *Sept 2019 – May 202*
*MSC in Data Science*

- GPA: 8.85/10.0
- **Coursework:** Machine Learning, Data Structures and Algorithms, Big Data , Image Processing

## Experience

**Data Scientist**                                                        *Chennai, TN*
*GeakMinds*                                                          *July 2024 – present*

- Analyzed **40M+** telecom records using Azure Databricks, PySpark, and Azure Data Explorer, delivering insights to improve customer retention strategies by **15%**.
- Developed a model to predict Net Promoter Score (NPS), leading to **10%** improved customer satisfaction.
- Built and retrained a model for **Customer Health Score** specific to the product lifecycle phase (LBGUPR) by identifying key features through predictive analytics.
- Conducted time series forecasting and anomaly detection on telecom data, identifying key trends and action points for improving customer engagement.

**Data and Business Consultant**                                         *Remote*
*Freelance*                                                       *March 2024 – july 2024*

- Designed and built custom Power BI dashboards for clients, focusing on sales and expense analysis, which resulted in **30%** more accurate financial forecasting for businesses.
- Integrated and transformed data from multiple **sources**, ensuring accurate and up-to-date reporting on key financial metrics such as **revenue, costs, and profit margins**.
- Designed interactive, user-friendly dashboards to optimize user experience and enable **real-time tracking of financial trends**, leading to data-driven decision-making.

## Internship

**Data Science Intern**                                                  *Pune, MH*
*Bosch*                                                            *Jan 2024 – May 2024*

- Developed two highly automated tools (90% automation) to streamline and accelerate the calibration team's workflow, significantly reducing manual effort and processing time.
- Enhanced traditional data processing methods, reducing overall processing time and manual work by 80%, thereby increasing productivity and accuracy within the calibration team.
- Collaborated with the calibration team to understand their data requirements and implemented solutions to automate repetitive tasks.

**Project Trainee**                                                      *Coimbatore, TN*
*Bosch*                                                           *July 2022 – Nov 2022*

- Actively participated in EVM (Electronic Control Module) board bring-up activities for auto motive vehicles, ensuring seamless integration and functionality.
- Diligently monitored and analyzed board performance and collaborated with cross-functional teams to streamline processes, enhancing project success and customer satisfaction.
- Leveraged Robot Framework to automate the execution of test cases for acceptance testing, reducing manual effort and enhancing testing accuracy.

## Projects

**Olympic Data Analysis**

- Analyzed historical Olympic data covering athlete performance, medal counts, event categories, and country participation across multiple years.
- Developed an end-to-end data pipeline using Azure Data Factory to ingest data into Data Lake Gen 2.
- Utilized Azure Synapse Analytics for data warehousing and Azure Databricks with PySpark for processing and analysis.
- Generated insights on **country-wise performance trends**, athlete statistics, and event popularity.
- **Tools Used: Microsoft Azure - Azure DataFactory ,Azure DataBricks ,Azure Synapse ,Pyspark**

**AI-Powered Conversational Assistant**

- Created a chatbot integrated with Ollama and Langchain to provide basic conversational capabilities powered by language models (LLMs).
- **Tools Used: Ollama , Langchain , Streamlit**

**NBA Player Position Prediction**

- Developed a Machine Learning model to predict NBA player position based on their statistics.
- This prediction helps in setting up the lineups like Which players can play multiple positions, or which players could see success trying their hand in a new role.
- **Tools Used: Python , Machine Learning**

## Skills

**Languages:** Python, C++ , SQL , Pyspark

**Data Science:** NLP , Machine Learning , Deep Learning

**Big Data:** Hadoop , Apache Spark

**DataBase:** MySQL

**Cloud:** Microsoft Azure, Azure DataBricks , Azure Data Factory

**Operating Systems:** Windows , Linux

## Achievements

**Competitive Programming** Successfully solved 200+ algorithmic problems on LeetCode and GeeksforGeeks.

(Leetcode profile 🔗) (GFG profile 🔗)

**HackerRank SQL Certification** Awarded a 5-star gold badge in SQL