

# Dirisala Venkata Maheswari

## Data Scientist

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📍 Hyderabad, IND

Proven IT professional with 2 years of experience and highly motivated data scientist with a strong background in mathematics and statistics. Skilled in using programming languages such as Python. Proficient in machine learning algorithms & Concepts of Deep Learning and NLP & Gen AI. Having great knowledge on data visualization tools and database like SQL. Seeking a challenging role as a data scientist where I can utilize my skills and knowledge to drive data-driven solutions and contribute to the success of the organization.

### 📁 PROFESSIONAL EXPERIENCE

2023 Sep -  
Present  
Bengaluru, India

**Mphasis Limited, Bengaluru.**

- Professional qualified Data Scientist with over 2 years of experience, where I have in Data Science and Analytics, including Deep learning, Machine Learning, Statistical Analysis, NLP and SQL.
- Proficient in Python, SQL, and essential ML/DL libraries such as Scikit-Learn, TensorFlow, PyTorch, Pandas, NumPy, and Matplotlib.
- Experienced in building predictive models, anomaly detection systems, and interactive dashboards using tools like Plotly and Jupyter Notebook.
- Solid foundation in Statistics, Data Preprocessing, Exploratory Data Analysis (EDA), and automation of data workflows.
- Skilled in designing and integrating REST APIs to deploy machine learning models into production environments..
- Adept at working with unstructured data, performing web scraping, and building custom data pipelines for insight extraction..
- Hands-on experience in Natural Language Processing (NLP) including sentiment analysis, text generation, and translation projects, using models like Word2Vec, and LSTM.
- Proficient in developing Generative AI applications, working with LLMs, RAG (Retrieval-Augmented Generation) models, and applying prompt engineering techniques to improve output quality.
- Built efficient data pipelines for prompt evaluation, enabling detailed analysis and refinement of GenAI outputs. Shared best practices to promote continuous improvement in prompt engineering.
- A quick learner with a passion for applying data science to solve real-world problems and deliver scalable, impactful solutions.
- Explore applications of knowledge graphs in question-answering and decision-making systems.

## EDUCATION

2018 July - 2022 May Bapatla	<b>Bachelor of Technology, Bapatla Engineering College CGPA: 7.71.</b>
2016 June - 2018 April Guntur	<b>Intermediate, Sri Chaitanya Junior College Percentage: 90%</b>
2015 June - 2016 March Vinukonda	<b>SSC, Nirmala Girls High School CGPA: 8.2</b>

## SKILLS

Python ♦ Machine Learning ♦ Pandas ♦ Numpy ♦ Matplotlib ♦ Seaborn ♦ SQL ♦  
Generative AI ♦ Deep Learning ♦ NLP ♦ PyTorch ♦ TensorFlow, AI Agents

## PROJECTS

### VAT-Error Analysis

**Client:** Aker Solutions

**Technologies:** Python, Random forest Classification, Machine learning

- As a Data Scientist, I have successfully completed a project where I built a Random Forest classification model to identify errors in VAT tax calculations.
- The project involved data pre processing, data cleaning, feature engineering, and model training using Python and libraries like Pandas, Numpy, Seaborn & Scikit-Learn.
- I analyzed large datasets and used statistical techniques to identify patterns in the data that were indicative of tax calculation errors.
- The resulting model achieved a high accuracy rate, allowing for the identification of tax errors with a high degree of precision.
- This project demonstrates my expertise in data analysis, machine learning, and problem-solving, and my ability to deliver data-driven solutions that drive business value.

### Smart Audit

**Client:** Team Health

**Technologies:** Python, Random forest Regression, Machine learning

- As a Data Scientist, I have successfully completed a project where I built a Random Forest regression model to minimize errors in the audit process.
- The project involved analyzing large datasets using Python and Pandas, Numpy, Seaborn, Scikit-Learn, identifying features that were predictive of audit errors, and training a regression model to minimize those errors.
- I also conducted data visualization and feature engineering to extract meaningful insights from the data.

- The resulting model achieved high accuracy in predicting audit errors, leading to a more efficient and effective audit process.
- This project showcases my expertise in data analysis, machine learning, and problem-solving, as well as my ability to develop and deploy data-driven solutions that drive business value.

## **DECLARATION**

I hereby declare that the information provided in this resume is true and accurate to the best of my knowledge and belief.

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**Dirisala Venkata Maheswari**