Mallela Shaheena

Chittoor, India • Phone: +91 6304158838 • Email: mshaheena8838@gmail.com

Date of Birth: 26 October 2001 • Nationality: Indian-Muslim

Professional Summary

Motivated Data Scientist with a strong foundation in Zoology and expertise in Python, R, and SQL. Proficient in machine learning, predictive modeling, and advanced analytics, with a proven track record in Kaggle competitions and portfolio projects, including the Binary Rainfall Prediction app. Skilled in delivering actionable insights to non-technical stakeholders and collaborating cross-functionally. Experienced in customer support, enhancing communication and documentation skills vital for data storytelling. Committed to driving business growth through innovative data solutions and continuous learning.

Work Experience

Customer Support Executive

Altruist Technologies, India   Oct 2023 – Jul 2024

- Provided exceptional support to over 500 customers via phone and email, achieving a 95% satisfaction rate.
- Documented and tracked customer queries using CRM tools, ensuring rapid resolution and high service quality.
- Collaborated with technical teams to resolve complex customer issues, reducing resolution time by 30%.
- Developed strong empathy, communication, and documentation skills, enhancing data storytelling and stakeholder engagement.
- Contributed to improving internal help documentation by identifying and addressing recurring customer queries.
- Demonstrated adaptability by transitioning to data science through self-learning and certifications.

Education

Master of Science in Zoology

Sri Venkateswara University, Tirupati   2023
Percentage: 85%

Bachelor of Science

Margadarshi Degree College, Piler   2021
Percentage: 90%

Certifications

- HP Data Science & Analytics Certificate, 2025
- HP AI Beginner Certificate, 2025

- Data Science with Python, Nucot, Bangalore (May 2024 – Jul 2024)

Kaggle Competitions

March Mania (2025) Forecasted basketball tournament outcomes with 88% accuracy using ensemble methods (XGBoost, Random Forest). Tools: Python, Scikit-learn, Pandas.

GitHub Tokenized Data (2025) Analyzed tokenized repository data, improving model precision by 15% using NLP techniques. Tools: Python, NLTK, Pandas.

Hybrid Model Prediction Chatbot (2025) Built a chatbot with LSTM-XGBoost models, enhancing response accuracy by 20%. Tools: Python, TensorFlow, Streamlit.

Binary Rainfall Predictions (2025) Achieved top 10% leaderboard ranking with 92% accuracy using LightGBM. Tools: Python, LightGBM, Pandas.

AI Mathematical Olympiad (2025) Solved complex mathematical problems with 95% success rate, targeting silver placement. Tools: Python, SymPy, Pandas.

Key Projects

Binary Rainfall Prediction App Deployed a Streamlit app predicting rainfall with 92% accuracy using LightGBM, featuring real-time data processing. Tools: Python, Streamlit, LightGBM, Pandas.

Predictive Modeling Forecasted trends with 90% accuracy using historical data and hyperparameter tuning. Tools: Python, Scikit-learn, Pandas.

NLP Project Achieved 85% accuracy in sentiment analysis and language detection for multilingual datasets. Tools: Python, NLTK, TensorFlow.

Image Classification Built a deep learning model with 87% accuracy for image categorization. Tools: Python, TensorFlow, NumPy.

End-to-End ML Pipeline Engineered a scalable pipeline, reducing processing time by 30% for data ingestion and deployment. Tools: Python, Pandas, Scikit-learn.

Relevant Coursework

- Data Science with Python: Focused on data preprocessing, machine learning, and visualization using Pandas, Scikit-learn, Matplotlib.
- Generative AI with RAG: Implemented Retrieval-Augmented Generation systems using ChromaDB and Gemini API.

Technical Skills

- Programming: Python, SQL, R
- Data Analysis: Pandas, NumPy, Scikit-learn, TensorFlow, MySQL, Excel
- Visualization: Tableau, Matplotlib, Seaborn, Power BI
- Machine Learning: Predictive Modeling, Clustering, Deep Learning, NLP
- Operating Systems: Windows, Linux
- Tools: JIRA, Streamlit, ChromaDB, Gemini API

Languages

English, Hindi, Urdu, Telugu

Hobbies & Interests

Cooking, Fashion Design, Reading Books

Declaration

I hereby declare that the above details are true to the best of my knowledge. If given the opportunity to work in your esteemed organization, I will strive to exceed expectations through dedication, teamwork, and continuous learning.