

# Mangali Mahesh

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LinkedIn



Github



Portfolio



## Profile Summary

Data Science Intern with strong expertise in Python, SQL, and Machine Learning. Skilled in data analysis, feature engineering, and model deployment. Delivered high-performing predictive models and automated workflows, improving process efficiency by 30%. Excited to apply analytical and creative problem-solving to real-world data challenges

## Experience

### Data Scientist Intern @ AI Variant

Bangalore | 07/2025 - 10/2025

- Proficient in Python and core libraries for effective data cleaning, exploratory analysis, and insightful visualizations.
- Experienced in performing EDA and developing ML, AI, and time series forecasting models for predictive decision making.
- Skilled in creating dashboards and delivering actionable visual insights using Tableau and Power BI.
- Applied NLP techniques and machine learning models to build a sentiment analysis project with meaningful text based insights.
- Hands-on with MySQL for efficient data querying, management, and integration across analytics workflows.

## Projects

### Sentiment Analysis of Customer Reviews | Streamlit + Flask:

- Built an end-to-end multilingual sentiment analysis pipeline using automated text translation, NLP preprocessing, and TF-IDF features on review title and body text.
- Performed EDA and text visualization using Matplotlib, Seaborn, and WordCloud to analyze rating trends and sentiment distribution.
- Trained a multi-class XGBoost classifier with custom class weighting to address data imbalance and improve model readability.
- Implemented a scikit-learn Pipeline with ColumnTransformer to ensure consistent preprocessing and reproducible model inference.
- Deployed the trained model using Streamlit and Flask, enabling real-time sentiment prediction via web UI and REST API, and persisted the model using joblib.

### Cryptocurrency Price Analysis using AI | Django App

- Built a machine learning model using Random Forest to predict cryptocurrency price trends from historical market data.
- Developed a Django-based web application with interactive dashboards and real-time forecasting for improved user experience.
- Implemented backend data management with XAMPP MySQL to store historical data, model results, and user activity.
- Designed low-level architecture outlining model integration, data flow, and backend components for scalable system development.
- Created a responsive frontend using HTML, CSS, and JavaScript to display forecasts and analytics effectively.

## Education

### Sri Venkateswara College of Engineering and Technology | Chittoor |

08/2021-05/2025

Data Science | CGPA – 8.42

### Rao's Junior College | Nandyal |

06/2019-05-2021

Percentage - 91%

## Technical Skills

- **Programming & ML:** Python, MySQL, TensorFlow, Scikit-learn, Pandas, NumPy.
- **Analytics & Visualization:** Power BI, Tableau, Microsoft Excel, Matplotlib, Seaborn, EDA, Data Visualization.
- **Core Concepts:** Machine Learning, Deep Learning, Predictive Analytics, Feature Engineering, Statistics, Data Wrangling, Regression & Classification, Model Deployment (Streamlit, Flask).