Mangali Mahesh

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https://www.linkedin.com/in/mahesh-mangali-1971392b3/ | https://github.com/Mahi9390

https://mahi9390.github.io/My_Portfolio/

Education

Sri Venkateswara College of Engineering and Technology(Autonomous) , B.Tech in Computer Science(Data Science) , Chittoor-517127 Sept 2021 – May 2025

- GPA: 8.42/10.0

Rao's Junior College , Nandyal-518501 Jun 2019 – Apr 2021

- GPA: 9.1/10.0

Internships

Python for Data Science-Internshala Jun 2023 – Jul 2023

- Completed a 6-weeks internship, analyzing multiple datasets and delivering a real-world project using Python, statistical analysis, and machine learning.
- Gained expertise in data cleaning, preprocessing, exploratory data analysis (EDA), and predictive modeling.
- I Learned Python programming, data visualization, data manipulation, statistics, probability, and the fundamentals of machine learning.

Data Analytics using Python-YBI Jun 2024– Aug 2024

- Delivered insights through a data visualization project and contributed to a data-driven project for effective decision-making.
- Gained hands-on experience with Python libraries such as NumPy, Pandas, Matplotlib, and Seaborn for analysis and visualization.
- Learned SQL, data preprocessing, exploratory data analysis (EDA), and basic machine learning concepts.

Projects

Cryptocurrency Price Analysis using AI **github.com/name/repo**

- Designed and implemented a machine learning solution to predict cryptocurrency prices using historical market data and AI-driven techniques.
- Built a Django-based web application for real-time forecasting, interactive visualizations, and user-friendly insights.
- Applied the Random Forest algorithm for predictive modeling, ensuring accuracy and reliability in results.
- **Tools & Technologies:** Python, Django, Random Forest Algorithm, XAMPP.

Predicting Weather with LSTM and Interactive Visuals : **github.com/name/repo**

- Developed a deep learning-based weather forecasting model using LSTM to predict future conditions from historical weather data.
- Integrated OpenWeatherMap API for real-time updates and built an interactive dashboard with Streamlit and Plotly for dynamic visual insights.
- Applied data preprocessing, feature engineering, and model evaluation to enhance prediction accuracy.
- **Tools & Technologies:**LSTM (TensorFlow/Keras), Python, Pandas, NumPy, OpenWeatherMap API, Streamlit, Plotly, Matplotlib, Scikit-learn.

Technologies

Technologies & Languages: Python, R, MySQL, Basic Java, HTML & CSS .
Data Tools & Platforms: Microsoft Excel, Power BI, Tableau, AWS.
Domain Expertise: Machine learning, Statistics & Probability, Data Cleaning & Processing, Data Warehousing (Star/Snowflake), Data Modeling, Data Pipelines.