Mohan Krishna Tangirala

(Immediate Joiner)
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Analytical data analyst with experience in data wrangling, analysis, visualization, and machine learning. Skilled in Python,SQL, and Power BI. Develops data-driven solutions to drive business growth, integrating complex data sets and providing actionable insights.

PROFESSIONAL EXPERIENCE

Trainee Decision Scientist, Mu Sigma, Bangalore **July, 2023 – Apr, 2024**

- Performed data wrangling tasks to clean and prepare datasets of 1M+ records for predictive modeling using Python libraries such as Pandas and NumPy.
- Designed and implemented transformations, such as encoding, feature scaling and aggregation, to prepare data for machine learning algorithms.
- Carried out exploratory data analysis (EDA) using Pandas and Seaborn to uncover trends, anomalies, and patterns in datasets, leading to the identification of key insights that improved decision-making processes by 15%.
- Developed and presented interactive data visualizations using Microsoft Power BI, resulting in a 20% increase in a data-driven decision-making and strategic planning.
- Contributed to the development of a web page module using React.js with API integration for real-time content updates, specifically tailored for the petrochemical industry, resulting in 30% faster data retrieval.
- Mentored 3 peers in developing advanced EDA and data visualization skills, resulting in a 15% improvement in their data analysis skills and confidence.

SKILLS SUMMARY

- **Programming Languages**: Python, C
- **Libraries**: Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn
- **Data Analysis**: Data Wrangling, Microsoft PowerBI, MS Excel
- **Databases**: MySQL, PostgreSQL

EDUCATION

Bachelor of Technology, Koneru Lakshmaiah University **Jun, 2019 – Apr, 2023**

- Pursued Bachelor's degree in the stream of Computer Science and Engineering with a GPA of **7.97**
- **Academic Achievement**: Graduated with **Distinction**.

PROJECTS

Heart Disease Prediction

- Developed a ML model using Python and Logistic Regression to predict heart disease, utilizing a dataset of 303 patient records with 14 health parameters.
- Implemented data preprocessing, feature-target separation, and model evaluation, achieving 82% accuracy on test data and 85% on training data for robust model performance and real-time predictions.

Rock vs Mine Prediction

- Developed a ML model in python and Logistic Regression to predict underwater objects using sonar data from 208 instances.
- Implemented data preprocessing, feature extraction, and model evaluation, achieving 83.4% accuracy on training data and 76% on test data in a robust system for classifying sonar signals.

Loan Repayment Prediction on Bank Marketing Campaign

- Engineered a predictive loan repayment model using historical data from 5,000+ customer accounts; refined lending strategies, resulting in a 25% increase in approval rates for high-quality borrowers.
- Conducted data analysis, cleaning, and univariate, bivariate, and multivariate analyses in Python, generating 10+ actionable insights that enhanced risk management and decision-making.