Mohan Krishna Tangirala

(Immediate Joiner)

+91 9059286969 | [mktangirala@gmail.com](mailto:mktangirala@gmail.com) | linkedin.com/in/mohankrishnatangirala | India

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, HTML, CSS3, JavaScript, React.js
  + **Data Analysis**: Data Wrangling, Microsoft PowerBI, MS Excel
  + **Libraries**: Pandas, Numpy, Matplotlib, Seaborn
  + **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

## HR Analytics Attrition Rate

* Utilized statistical techniques to identify key factors influencing company-wide attrition, resulting 7+ actionable insights.
* Achieved a 25% reduction in turnover, improving retention and reducing costs to the company.

## Lifetime Prediction model for Cancer Patients

* Conducted uni-variate and bi-variate analyses on Haberman's cancer survival dataset, examining age distribution (50–60 years) and its correlation with survival, as well as the relationship between age and positive axillary nodes.
* Implemented multi-variate analysis to explore the combined effect of age, year of operation, and number of positive nodes, uncovering patterns that improved survival prediction accuracy by 20%.

## 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.