

# Manogna Vemuri

Data Scientist/ML Engineer

+91 9441794369 • Manognyavemuri@gmail.com • Hyderabad, IN • [linkedin.com/in/manognyavemuri](https://www.linkedin.com/in/manognyavemuri)  
• [kaggle.com/manognyavemuri](https://www.kaggle.com/manognyavemuri)

## SUMMARY

AI/ML engineer armed with keen interest in analyzing complex datasets to enable top-level decision-making. Possess comprehensive knowledge of ML concepts and other related technologies, unmatched abilities to identify, understand and translate the program requirements into sustainable technical solutions through python, SQL, ML algorithms and other programs for continuous improvement of AI technologies. Established ex-Mechanical engineer with a year experience in data analysis on Power BI for product and process standardization along 3 years of experience in with design, testing of equipment.

## KEY SKILLS

- Data Analytics • Data Visualization • Data Modeling • Data Processing • Predictive Analysis • Trend Analysis
- Web Scrapping • Data Mining

## TECHNICAL SKILLS

Languages: Python  
Libraries: Pandas, Numpy, Matplotlib, Seaborn, Beautiful Soup  
Tools: Scikit-learn, NLTK, Tableau, PowerI, Excel, My SQL

## PROJECTS

**Project 1: Airline Delay Analysis | Tech Stack: Logistic Regression, XG Boost, Decision Trees** May '23 - Jun '23

- Analyzed causes for airline delay using matplotlib via python and Tableau and verified the same through hypothesis testing
- Predicted delay of test sets with 98% recall rate using Logistic Regression, Decision Trees, XG Boost

**Project 2: Tweet Prediction | Tech Stack: Python, Natural Language Toolkit (NLTK)** Feb '23 - Mar '23

- Deployed NLTK to implement Disaster Tweets - EDA, Cleaning analysis and BERT models
- Implemented BERT model and obtained top 11% results among 3800+ participants

## PROFESSIONAL EXPERIENCE

**Engineer** Jul '18 - Aug '22  
**TechnipFMC** Hyderabad, IN

**Product Life Cycle Management**  
• Assessed data on Power BI to standardize products and process through which 50% cost and time reduction were achieved  
• Coordinated with suppliers for resolving manufacturing issues within of 2 days

**Design and Testing**  
• Assisted in manufacturing prototype and simulated subsea load conditions to verify mechanical properties  
• Aligned on 5+ projects from tendering phase to documentation while verifying manufacturing reports on SAP

## EDUCATION

**Master's in Data Science** May '23

**Simplilearn Certified in collaboration with IBM**

**Course Modules:**  
• Data Science with Python | Machine Learning | Statistical Essentials for Data Science | Business Analytics with Excel | SQL | Tableau  
• Deep Learning with Keras and TensorFlow | Data Science with R Programming | Natural Language Processing

**Bachelors in Mechanical Engineering** May '18

**Chaitanya Bharathi Institute of Technology** Hyderabad, IN  
• CGPA: 9.4/10.0

**ACCOMPLISHMENTS**

- Received "Gold Medal - Q4 2022" among 5 employees for achieving 50% cost cutting | TechnipFMC | Jan 2022
- Recipient of "Silver Medal - Q2 2021" award among 20 employees for timely support to manufacturing suppliers| TechnipFMC | Aug 2021

**CERTIFICATION**

Python Certification | Hackerrank

Sep '22 - Feb '23