YOGENDRA ARUN TOTLA

📞 +91-7032555016 @ yogendratotla45@gmail.com

EDUCATION

Data Science & Machine Learning

Coding Ninjas

📅 04/2024 - 01/2025 📍 India

MS - Industrial Technology and Operations

Illinois Institute of Technology

📅 08/2017 - 01/2019 📍 Chicago, USA

BE - Mechanical Engineering

Savitribai Phule Pune University

📅 06/2012 - 01/2016 📍 Pune, India

EXPERIENCE

Data Science Intern

Intellectuals AI Solutions 💬

📅 10/2024 📍 Hyderabad, India

- **Data Analysis**: Analyzed real-time shipment tracking data to identify delays and bottlenecks.
- **Data Preparation**: Processed datasets with **500,000+** shipment records, identified trends, removed inconsistencies, and engineered **10+** new features to improve risk detection.
- **Feature Engineering**: Preprocessed and transformed raw data, improving model performance by **20%** and enhancing interpretability for the inspection process.
- **ML Model Development**: Contributed to building a machine learning model predicting shipment inspections at ports, achieving **85%** accuracy using historical data and customer profiles..

Teaching Assistant in Data Science 💬

KKR Gen AI Solutions

📅 12/2024 📍 Hyderabad, India

Project Manager

ITW Shakeproof Automotive (Automotive)

📅 07/2021 - 01/2024 📍 Elgin, Illinois, USA

- **Stakeholder Management**: Coordinated with stakeholders and managed product launches for the Shakeproof division across 4 plants, introducing 100+ SKUs and increasing on-time deliveries by **15%.**
- **Project Leadership**: Led cross-functional teams of **15+** engineers, completing project milestones **10%** ahead of schedule by efficiently managing the project lifecycle.
- **Data-Driven Forecasting**: Analyzed sales data and market trends to improve demand forecasting accuracy by **20%**, reducing stockouts by **15%** and enabling better production planning.
- **Visualization and Insights**: Created statistical visualizations in Tableau and Minitab to provide actionable insights, enhancing decision-making speed by **25%**.

Quality Engineer

Ucal Systems Inc (Automotive)

📅 06/2019 - 07/2021 📍 Elgin, Illinois, USA

- **Supply Chain Analytics:** Conducted supplier selection and evaluation processes, assessing **50+ potential suppliers** and monitoring the performance of **25+ existing suppliers**, resulting in a **15%** improvement in supply chain efficiency and alignment with business objectives
- **Process Optimization:** Spearheaded the implementation of a new Quality Management System (QMS), achieving a **20%** reduction in non-conformance issues and ensuring continued efficiency through regular assessments and process optimizations

SUMMARY

Certified Data Science & Machine Learning Professional with practical experience in application of data preprocessing, statistical analysis, machine learning algorithms, and data visualization.
PMP-certified Project Management professional with 5 years of experience in using Agile methodologies.

SKILLS

Python SQL Tableau Numpy

Pandas Matplotlib Seaborn

Clustering Scikit-learn Keras

Neural Networks NLTK git

Agile Methodology azure cloud

PROJECTS 💬

Stock Market Prediction Specialist

- **Accurate Predictions**: Achieved an RMSE of 5 units in future stock price predictions using an LSTM model.
- **Stock Analysis**: Performed EDA on 2 years of stock data for Apple, Amazon, Microsoft, and Google.
- **Visualization**: Visualized stock trends and patterns using Seaborn and Matplotlib.
- **Risk Assessment**: Assessed stock risks based on historical performance and generated daily insights.

Milling Machine Predictive Maintenance 💬

- **Predictive Maintenance:** Delivered robust predictions for early failure detection, of machine failure based on operational parameters, achieving 98.6% accuracy.
- **Classification Models:** Built and evaluated models including Logistic Regression, Random Forest, and Gradient Boosting Classifier.

Forecasting Life Expectancy

- **Life Expectancy Prediction**: Built a predictive model to forecast national life expectancy across 50+ countries using 10+ socioeconomic indicators.
- **Hyperparameter Tuning**: Optimized model performance with GridSearchCV for hyperparameter tuning.
- **Improved Accuracy**: Achieved a 10% improvement in forecasting accuracy using Linear Regression, Random Forest Regressor, Gradient Boosting Regressor, and ExtraTrees Regressor.

Twitter Sentiment Analysis

- **Sentiment Analysis Model**: Built a Twitter sentiment Analysis model analyzing over 100k+ tweets.
- **High Performance**: Achieved 92% precision and 90% recall for sentiment classification.
- **Algorithm Comparison**: Evaluated Naive Bayes, Logistic Regression, Neural Networks, and Random Forest to identify the optimal approach.