

YOGENDRA ARUN TOTLA

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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.