

## UMESH

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### CAREER OBJECTIVE:

Passionately interested in exploring a career in Data Science. Looking forward to the opportunities for learning and applying advanced data-based technologies that add value to the organization in solving real-world problems. Keen to develop a knowledge base in Artificial Intelligence-related technologies.

Experienced Manager skilled in managing, planning, and procuring resources for the maintenance of Heavy Earth Moving Machines, Manpower, and Purchase Contracts. Committed to achieving project goals with discipline while fostering a collaborative and motivating work culture.

### SKILLS:

- Languages : English (professional), Kannada (native), Hindi (limited)
- Programming Languages : Python (professional), SQL (professional)
- IDEs : PyCharm(professional), Thonny(professional)
- Python platforms : Jupyter Notebook (professional), Google Colab (professional)
- Python Frameworks : Streamlit (professional), Flask (elementary)
- Database : MySQL (professional)
- Data Visualization : Tableau (professional)
- Developer tools : GitHub (professional), VS Code (elementary)
- Machine Learning Algorithms : Linear regression, Logistic regression, Clustering, Principal Component Analysis, Association rules, Recommendation systems, Text mining, Naïve Bayes, Decision tree, k-Nearest Neighbour, Random Forest, Support Vector Machines, Artificial Neural Networks, Convolutional Neural Networks, and Forecasting

### WORK EXPERIENCE:

#### 1. Deputy Manager @Coal India Limited – Full-time

Sep 2021 – Mar 2023

- Managed the role of Technical Secretary to the Head of the department successfully and In-charge of purchase repair tender cell with an outstanding performance rating for consecutive financial years.
- Published over 150 and finalized over 100 contracts per annum total valued at approximately Rs 350 lakhs.
- Achieved an annual coal production target of 10.5 MT.

#### 2. Assistant Manager @Coal India Limited - Full-time

Oct 2016 – Sep 2021

- Successfully managed the role of In-charge, Purchase repair tender cell with outstanding performance ratings.
- Published over 150 and finalized over 100 contracts on average per annum and achieved zero pending files for tender finalization.
- Assisted in the successful implementation of office software such as e-office and SAP in the Excavation department.
- Achieved 100% of the Annual Coal production target every year on year.

### EDUCATION:

- B. Tech in **Mechanical Engineering** from National Institute of Technology Karnataka, Surathkal in May 2015

### CERTIFICATIONS:

- Data Science - ExcelR, Offline - December 2023
- Python programming - Kaggle, Online - February 2024
- SQL - Kaggle, Online - March 2024
- Machine Learning - Kaggle, Online - March 2024
- Deep Learning - Kaggle, Online - March 2024
- Computer Vision - Kaggle, online – March 2024

## PROJECTS:

### 1. The Hotel Feedback Sentiment Analysis using Natural Language Processing

March 2024

- The Sentiment analysis of feedback from The Signatures Hotels, Vishakapatnam to identify actionable insights.
- The dataset has feedback records with ratings, the name of the customer, the date, and also booking websites from where the feedback was received.
- The data was cleaned and pre-processed to get a workable format suitable for the application of Data Science techniques.
- The Exploratory data analysis using pandas, numpy, matplotlib, seaborn, and Sentiment analysis of feedback text using Natural Language Processing libraries such as nltk, BERT.
- Analysis Dashboard prepared on Tableau and project deployed online using streamlit cloud platform.
- Online deployment App link  
<https://feedback-sentiment-analysis.streamlit.app/>

### 2. Stock price prediction using ARIMA and other time series-based ML models

Jan 2024

- Worked on a team project to model stock price prediction using Data Science techniques.
- Built machine-learning models applicable to Time series data such as ARIMA, Prophet, and LSTM using machine-learning techniques such as data collection, data cleaning/wrangling, exploratory data analysis, and data visualization.
- Deployed the best-performing ARIMA model online using Streamlit and GitHub, lowest RMSE value of 10.7 achieved by the model.
- Project app link – <https://p335-stock-price-prediction.streamlit.app/>

## ACHIEVEMENTS

- Hackerrank :
  1. 5 Star Gold badge in Python
  2. 5 Star Gold badge in SQL