UMESH
Junior Data Scientist

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WORK / TECHNICAL EXPERIENCE

Junior Data Scientist   04.2023 — Present
Nowon Technologies   *Bengaluru, India*

- Worked with cross-functional teams to understand data needs and deliver solutions.
- Assisted the Data Science team in analyzing 20+ medium to large data sets of different companies using Python to extract actionable insights which helped companies achieve 10 – 15% improvement in valuable customer holding, employee retention, future movements, and fraud reduction.
- **Fraud detection**: Contributed to the team in developing projects to detect fraudulent transactions, anomalies in insurance claims, or credit card usage using isolation forest and other supervised machine learning algorithms.
- **Customer Analytics**: part of the team that used to find key features/factors causing customer churning, employees quitting, fraudulent transactions, and customer segmentation for targeted marketing using classification and clustering algorithms.
- **Credit scoring & risk**: Helped in developing systems to find the creditworthiness of customers and businesses. Also, prediction of the likelihood of loan defaults using regression, classification, and various gradient boosting algorithms such as Xgboost, lightgbm, catboost etc.
- **Forecasting**: Worked on forecasting and predictive models such as ARIMA, SARIMA, Prophet, and LSTM on time-series data to predict future movements and prices of the stocks/revenues of business.

Executive Manager (Excavation)   09.2015 — 03.2023
Coal India Limited   *Sonbhadra, India*

- As a Technical Manager performed Technical and techno-commercial analysis of HEMM's performance to manage Budget allocation, Spare parts, Manpower, and Repair works using Excel, E-office, and SAP.
- Forecasting for HEMM spare parts indent for procurement by analyzing HEMMs working hours and past consumption of spare parts using traditional statistical methods.
- Preventive and predictive maintenance of HEMMs by analyzing and interpreting the working hours, daily maintenance inspections, and log reports.
- Worked as HEMM Maintenance Engineer and was mainly in charge of the Tender cell. On average published over 150 Tenders and finalized over 100 contracts each financial year.

F R E E L A N C E EXPERIENCE

AXIS ENERGIES | Link |DATA SCIENCE & DEVELOPMENT
May 2024 - August 2024 | Bengaluru, INDIA

- Requirements for developing an app for maintenance of daily operations of Fuel Bunk collected by understanding the business model.
- Developed a data entry web app using the Python streamlit library and set up Google Sheets to store data with secured authentication for safe login.
- Prepared business report and Dashboard using Power BI connected to Google Sheets for an updated presentation of the report.

THE SIGNATURE HOTELS | Link | DATA SCIENCE & DEVELOPMENT
Feb 2024 - March 2024 | Bengaluru, INDIA

- Collected the feedback from the hotel management received on online booking apps and cleaned, justified, and standardized in Excel for quality analysis.
- 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 using Tableau and project deployed online using streamlit cloud platform.

SKILLS

PROGRAMMING	:	Python (Pandas, NumPy, SciPy), SQL
Machine Learning & AI	:	Scikit-Learn, TensorFlow, Keras, GenAI basics
Data Visualization	:	Tableau, Power BI, Matplotlib, Seaborn, Grafana
Big Data	:	PySpark
MLOPs tools	:	Git, Github, Github Actions, DVC, Dagshub, MLflow, Airflow, Docker, Dockerhub
TOOLS	:	VSCode, PyCharm, Google Colab, Jupyter Notebook, Databricks, MySQL
Cloud tool	:	AWS basics
COMMUNICATION	:	English (Proficient), Kannada (Native), Hindi (Limited)

INTERNSHIP EXPERIENCE

AIVARIANT | Link | DATA SCIENCE & DEVELOPMENT
NOV 2023 - JAN 2024 | Bengaluru, INDIA

- Worked as a team 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 which gave the lowest RMSE value of 10.7 online using Streamlit and GitHub.

CERTIFICATION

AWS Cloud basics from Udemy	Oct – 2024
Masters Programme in Data Science by NASSCOM	Oct - 2024
Generative AI from Udemy	Aug - 2024
SQL from Kaggle	Feb - 2024
Data Science from ExcelR	Dec - 2023
Python – Udemy & Kaggle	Jun - 2023

EDUCATION

B. Tech in Mechanical Engineering, National Institute of Technology Karnataka Surathkal, India	05.2015
12th Science - CBSE, Jawahar Navodaya Vidyalaya Koppal, India	03.2011

ACTIVITIES

HackerRank - Profile

1. 5 Star Gold badge in Python
2. 5 Star Gold badge in SQL