

ANUP SAKHARE

Data Scientist

anupsakhare360@gmail.com • 9158753544 • Mumbai, Maharashtra 431514

SUMMARY

Data Scientist with 1.8 years of experience in data analysis, machine learning, and statistical modeling. Proven ability to apply data-driven solutions to real-world business challenges. Strong foundation in data cleaning, feature engineering, and model development, with expertise in tools such as Python, SQL, and TensorFlow. Passionate about continuous learning and staying updated with the latest industry trends. Seeking to leverage my analytical skills and experience in a dynamic, growth-oriented organization.

EXPERIENCE

Junior Data Scientist, Porlob Technologies Pvt. Ltd, Mumbai.

May 2023 - Present

- Performed data augmentation, analysis and presented results clearly.
 - Developed and optimized state-of-the-art Machine Learning and Deep Learning models.
 - Managed end-to-end data pipeline creation and analysis for ML project lifecycles.
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PROJECTS

Automated Steel Pipe Detection and Classification for Inventory Management

- **Client:** Steel pipe warehouse.
- **Problem:** Manual counting of steel pipes, time-intensive and prone to errors, leading to inefficiencies.
- **Solution:** Leveraged YOLOv8 for object detection and classification of steel pipes of various shapes and dimensions. Implemented CRISP-ML(Q) methodology, encompassing data preprocessing (noise removal, resizing, augmentation), model training, and deployment using Streamlit for real-time prediction.
- **Tech Stack:** YOLO, YOLOv8, Python, Roboflow, OpenCV, Streamlit, Google Colab, CNN, MySQL
- **Benefits:** Achieved a 60% test mAP@50, reducing manual effort, enhancing accuracy.

Fraud Detection in Procurement Using Big Data Analytics

- **Problem:** Procurement fraud costing \$2.6 trillion annually, accounting for 5% of the world GDP.
 - **Solution:** Developed a Random Forest-based machine learning model to identify fraudulent procurement activities. Conducted automated exploratory data analysis (Auto EDA) using Pandas Profiling and SweetViz, applied hyperparameter tuning for optimal model performance, and deployed the solution using Flask for real-time fraud detection.
 - **Tech Stack:** Python, Random Forest, Pandas Profiling, SweetViz, Flask, Big Data Tools.
 - **Benefits:** Achieved 91% accuracy in detecting fraudulent transactions, with the potential to save \$100 billion annually and significantly improve procurement efficiency and transparency.
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SKILLS

- Problem Solving
- Data Mining
- Data Cleansing
- Data Visualization
- ETL
- Model Building
- Machine Learning
- Computer Vision
- Deep Learning
- Model Deployment

TOOLS & FRAMEWORKS

- Python
 - SQL
 - Pandas
 - Numpy
 - Scikit-Learn
 - TensorFlow
 - PyTorch
 - LLM
 - PowerBI
 - MS Excel
 - Roboflow
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EDUCATION

- **Course in Data Science Certification, 360DigiTMG**
2022-2023, Hyderabad, India
- **Masters in Computer Application (MCA), SPPU University**
2013 – 2015, Pune, India
Graduated with 60.80%
- **Bachelors in Computer Science, SRTM University**
2010 – 2013, Nanded, India
Graduated with 66.10%

CERTIFICATIONS

- NASSCOM Data Science Certificate
- NASSCOM Python Fundamentals Certificate
- Oracle Database SQL Certified Expert

LANGUAGES

- English
- Hindi
- Marathi

DECLARATION

I, hereby declare that all the information stated above is true & complete to best of my knowledge and belief and nothing has been concealed/ distorted.

Date:

Place:

ANUP SAKHARE