SAURABH MANE

✉ saurabhmane3450@gmail.com   📞 7841004519   📍 Pune, India   in LinkedIn   ○ GitHub   🔗 Portfolio

PROFILE

Detail-oriented Data Enthusiast with a strong understanding of data analysis, machine learning and vizualization. Proficient in Python, SQL, Excel, and Power BI, with a focus on deriving meaningful insights from complex datasets. Strong problem-solving skills with expertise in data transformation, performance optimization, and troubleshooting to enable data-driven decision-making.

SKILLS

- **Programming:** Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn), R, SQL
- **Data Manipulation & Analysis:** Data Wrangling, Feature Engineering, Exploratory Data Analysis (EDA)
- **Machine Learning & AI:** Supervised & Unsupervised Learning, Deep Learning (TensorFlow, Keras, PyTorch), NLP, Recommendation Systems
- **Statistics & Mathematics:** Probability & Statistics, Linear Algebra, Calculus
- **Data Visualization & BI Tools:** Matplotlib, Seaborn, Plotly, Tableau, Power BI, Google Data Studio
- **Deployment & MLOps:** Model Deployment (Flask, Streamlit, Docker), Git
- **Business & Soft Skills:** Problem-Solving, Critical Thinking, Communication, Business Analytics, Adaptability

PROFESSIONAL EXPERIENCE

Mentorness, *Data Analyst Intern*   Aug 2024 – Sep 2024 | Ahmedabad, India
- Performed data analysis using Excel, SQL, and Power BI to support business decision-making.
- Developed impactful dashboards for KPI tracking, data storytelling, and visualization.
- Transformed and cleaned data to ensure accuracy and consistency.
- Integrated multiple data sources through data blending for enhanced insights.
- Assisted in database management, optimizing queries for efficient retrieval.
- Identified and fixed database inconsistencies to ensure smooth reporting.
- Developed processes and tools to monitor and analyze model performance and data accuracy.
- Delivered ad-hoc reports based on business requirements.
- Optimized query performance, reduced report load time, and improved data pipeline efficiency.
- Collaborate with stakeholders to enhance data visualization tools usage and business insights communication.
- Presented analytical findings to drive informed decision-making.

Data Lumina, *Data Analyst Intern*   Mar 2024 – May 2024 | Pune, India
- Improved data quality by 20% through data transformation and preprocessing.
- Applied data blending to merge structured and unstructured datasets.
- Identified trends and insights for business requirement analysis.
- Developed customized reports, ensuring data governance and compliance.
- Created data visualizations in Tableau and Power BI for key metrics.
- Applied Computer Science concepts to optimize data processing and visualization techniques.
- Coordinated with different functional teams to implement models and monitor outcomes.
- Optimized query performance and report load times.
- Diagnosed and resolved system inefficiencies, improving report accuracy.
- Worked cross-functionally to translate data insights into business actions.

INNODATATICS, *Data Scientist Intern*   Aug 2023 – Jan 2024 | Hyderabad, India
- Requirements Gathering, analysis, transformation, and preprocessing using Python, SQL, and Power BI.
- Developed predictive models, improving forecasting accuracy by 15%.
- Designed Key Performance Indicators (KPI) dashboards for data storytelling and trend analysis.
- Managed databases, optimizing queries for Continuous Improvement.
- Enhanced data pipeline efficiency, reducing processing time.
- Develop custom data models and algorithms to apply to data sets.
- Followed industry compliance protocols for secure data handling.
- Implemented data validation techniques to maintain data accuracy, data integration and consistency.
- Presented actionable insights to senior management.

EDUCATION

B.Tech in Agricultural Engineering   2022
Dadasaheb Mokashi College of Agricultural Engineering and Technology, Karad

PROJECTS

Food and Beverages Sales Analysis   Aug 2024 – Sep 2024
- Collected, processed, and analyzed large datasets to identify consumer trends, leveraging ETL pipelines for efficient data extraction and transformation.
- Conducted demographic analysis to assess health concerns and ingredient preferences, ensuring data accuracy, integrity, and compliance.
- Designed and developed a Power BI dashboard, integrated multiple data sources to enable real-time data visualization and report generation.
- Identified marketing and purchase behavior trends, enabling data-driven decision-making through advanced analytics.
- Implemented interactive filters for dynamic data exploration, improving usability and stakeholder communication.
- Focused on business performance optimization, improving query performance, data pipeline efficiency, and report load time.
- Debugged and resolved reporting issues, conducting root cause analysis to ensure data consistency.

EV Sales Analysis   Nov 2023 – Jan 2024
- Gathered, cleaned, and processed large datasets, ensuring high data quality for accurate analysis.
- Developed efficient data pipelines using Python, Pandas, NumPy, and SQL, optimizing data transformation and preprocessing.
- Designed and deployed interactive Power BI dashboards, integrating multiple sources for customized analytics reporting and visualization.
- Conducted trend analysis and market segmentation, providing actionable recommendations for business requirement gathering.
- Improved SQL query efficiency to accelerate data extraction and reporting.
- Collaborated with stakeholders to align report development with business objectives, improving communication and coordination.
- Provided technical insights to enhance reporting capabilities and analytics accuracy.

Object Detection Using YOLOv8 Model   Nov 2023 – Jan 2024
- Enhanced cracked egg detection accuracy by 20% using YOLOv8, improving quality control in food processing.
- Utilized a Roboflow-annotated dataset, optimizing image preprocessing pipelines for efficient data transformation.
- Designed and implemented a robust data pipeline, streamlining image annotation, model training, and inference.
- Integrated YOLOv8 into an automated defect recognition system, enhancing real-time monitoring and troubleshooting.
- Developed and deployed a user-friendly Streamlit app, enhancing stakeholder engagement and user satisfaction by 30%.
- Focused on performance optimization, testing and improving data pipeline efficiency for real-time defect detection.

Optimization in Supply Chain Management   Aug 2023 – Oct 2023
- Developed and implemented advanced LSTM models for demand forecasting, leveraging deep learning for improved accuracy.
- Optimized inventory management by integrating predictive analytics, reducing stockouts by 25%.
- Improved forecasting accuracy by 20%, enhancing supply chain efficiency and minimizing operational waste.
- Optimized data pipelines to enhance data processing efficiency and automation, reducing lead times by 25%.
- Leveraged Matplotlib and R to visualize supply chain metrics and forecasting results.
- Conducted root cause analysis to debug forecasting discrepancies, ensuring reliable predictions.
- Ensured data governance compliance, maintaining data integrity across multiple forecasting models.
- Implemented data warehousing techniques to store and process high-volume sales data efficiently.

CERTIFICATES

Data Science using Python Programming
  360DigiTMG

Data Analytics Essentials
  CISCO

Project Management
  Great Learning

Data Visualization using Power Bi
  360DigiTMG

Python 101 for Data Science Certification
  IBM

Career Essentials in Data Analysis by Microsoft and LinkedIn
  Microsoft | LinkedIn