ANNADASU SOWJANYA

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Tenali,Guntur dist,Andhra Pradesh

Data Scientist

As an experienced Data Analyst with over 3 years of expertise in market research and technical support, I have honed skills in Python, SQL, and data visualization using Tableau. My background includes a notable improvement in project efficiency and a significant reduction in customer complaints, demonstrating my ability to transform data insights into tangible business outcomes. This expertise is underpinned by a strong educational foundation in technology and data science.

Strengths and Expertise

Business Requirements	Data Visulizations	Python,SQL
Time Management	Data Analysing	Machine Learning
Customer Communication	Data cleaning&preprocessing	Statistical Analysis
Critical Thinking	Data Architecture/Data Validation	Microsoft Excel

Professional Experience

TECHNOZAP CONSULTANCY AND TRADING **September 2022 - October 2023**
Data Analyst

- Orchestrated market research for the Polymers sector, providing vital strategic insights to clients like Nortech and Sankul Design LLP.
- Mastered Python, database management, Tableau, and advanced Excel functions to conduct thorough data analyses and develop predictive models.
- Enhanced project efficiency by 15%, fostering effective team collaboration and ensuring precise communication of analytical findings.
- Demonstrated exceptional analytical and problem-solving skills, significantly contributing to the advancement of data-driven projects and market research insights.

LG ELECTRONICS PRIVATE LTD; **July 2021 - September 2022**

Technical Support Engineer

- Supervised Quality Assurance operations, focusing on achieving product excellence and enhancing customer satisfaction.
- Analyzed complex data sets using EDW & GQIS systems and Excel, successfully managing customer claims and implementing continuous improvement actions to reduce Field Failure Rate issues.
- Conducted daily meetings with cross-functional teams, utilizing Excel for data visualization and analysis, ensuring swift resolution of key issues.
- Achieved a 20% reduction in customer complaints through targeted improvement actions and effective communication with engineering teams.
- Managed the recall of field parts for comprehensive analysis, providing critical insights to the Cross-Functional Team for informed decision-making.

PERSONAL PROJECTS

Analysing Amazon Sales Data

- Tools & Technologies: Python (Pandas, Matplotlib, Seaborn), Jupyter Notebook
- Description: This project involved analyzing a comprehensive dataset of Amazon sales to derive significant business insights. Techniques included data cleaning, manipulation, and advanced visualization to identify key sales trends and develop predictive models for future sales forecasting.

Text Extraction from Image/PDFs

- Tools & Technologies: Python, Streamlit, OCR, Image Processing
- Description: Developed a Streamlit application for OCR on Kannada PDF documents to streamline data extraction. Utilized Python libraries for image preprocessing and OCR, achieving high accuracy in extracting crucial information like ID numbers and names. The output was a CSV file for easy use in further analysis.

Cement Manufacturing Automation

- Tools & Technologies: Python, Machine Learning (Random Forest, Stacking Ensemble), Streamlit, SQL, Tableau
- Description: Led an automation initiative in cement manufacturing using CRISP-ML(Q) for data management. Developed and deployed machine learning models for quality control optimization and crafted a user-friendly Streamlit app for accessing model insights and performance metrics.

Heart Disease Diagnostic Analysis

- Tools & Technologies: Python, Tableau, Machine Learning (Logistic Regression, Random Forest)
- Description: Directed a project on heart disease prediction, focusing on data cleaning, ETL, and extensive exploratory data analysis. Developed and fine-tuned machine learning models, achieving 85.25% accuracy in diagnosing heart disease.

Minimizing Pharmacy Bounce Rates: A Predictive Modeling Approach for Drug Demand

- Tools & Technologies: Python, ARIMA models, Gradio, Streamlit
- Description: Aimed to reduce pharmacy bounce rates by 30% and increase revenue through accurate demand forecasts. The approach included data preprocessing, ARIMA model development, and deployment of a user-friendly interface for better inventory control.

EDUCATION

Graduate in Electronics and communication engineering -7.5 CGPA
Vignans Lara Institute of Science and Technology - B.TECH

CERTIFICATE

Certificate of Data Science using Python
Python from IBM
Certified on Excel Using AI