ROHIT SINGH

EXPERIENCE SUMMARY

Experience Level: 8 Months

Now: Mirafra Software Technologies Pvt Ltd. Dec 2024 – Present

Past:

- PG Diploma in Data Science with Artificial Intelligence and Machine Learning, Cranes Varsity, Bengaluru, Jul 2024 - Dec 2024

Education:

- BTech Computer Science and Technology, VIST 2024

Technical Skills:

- Programming Languages: Python
- Databases: MySQL
- Operating System: Windows
- Version Control: Git, GitHub
- Development Tools: PyCharm
- Data Analysis and Visualization: NumPy, Pandas, Matplotlib, Seaborn, Power BI

PROJECT EXPERIENCE

Company – Mirafra Technology
Project: Hire Smart (Resume Scanner):

Tools: Python, PDFPlumber, Flask, Regular Expression, SQLite3, Pytest, Multithreading

- ➤ Developed a Flask-based web application for analyzing, and scoring resumes.
- ➤ Used PDFPlumber & python-docx for extracting text from PDF and DOCX resumes.
- ➤ Applied regular expressions to extract key details like contact information, skills, and experience.
- ➤ Implemented SQLite3 for storing parsed resume data and user profiles.
- ➤ Developed and executed unit tests with Unittest & Pytest to ensure parsing accuracy.
- ➤ Built a simple HTML frontend for recruiters to upload and review resumes.

Institute Name – Cranes Varsity
Project: Customer Churn Data Analysis and Visualization:

Tools: NumPy, Pandas, Matplotlib, Seaborn

- ➤ Analyzed customer churn data to identify factors contributing to attrition, resulting in actionable insights that led to improvement in retention strategies.
- ➤ Performed data cleaning and pre-processing using Pandas to handle missing values and prepare the dataset for analysis.
- ➤ Utilized NumPy for efficient numerical operations and data manipulation.
- ➤ Created various visualizations such as bar plots, heatmaps, and line graphs using Matplotlib and Seaborn to provide actionable insights into churn patterns.

> ➢ Identified trends and correlations that helped predict customer behaviour and inform business strategies aimed at reducing churn.

PERSONAL PROJECTS

- CAR SALES Visualization:
    Tools: POWER BI

    > ➢ Analyzed car sales data to identify sales trends and reginal performance, helping the business optimize its marketing and sales strategies.
    > ➢ Created a date table using DAX to enable time-based analysis such as quarterly and yearly sales trends.
    > ➢ Developed calculated columns and measures using DAX to compute sales performance metrics and facilitate detailed reporting.
    > ➢ Built a Fact Sales table and established manual connection in the data model for accurate analysis and seamless integration of different data tables.
    > ➢ Designed interactive reports and dashboards, highlighting revenue by state, product categories and sales ranges, providing actionable insights for the sales team.

- Mystic Mart:
    Tools: Python, TKINTER

    > ➢ Developed a Python-based GUI application for managing product data, streamlining inventory operations for small businesses.
    > ➢ Implemented functionalities to add, remove, and update product data within the application.
    > ➢ Created an intuitive interface that allows users to easily manage inventory items.
    > ➢ Integrated data persistence by saving updates to a Notepad file, ensuring that changes are retained even after closing the application.
    > ➢ Focused on usability and user experience, providing a straightforward approach to inventory management for potential users.