**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.