Saurabh Singh

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Professional Experience

BI Analyst/ Software Developer	[**Dectwin Services Ltd.**](#)	*Remote*	**04/2023 - 10/2023**

- Led the development of a robust **cross-platform business management** application for a client, encompassing inventory management, sales, purchases, and profit-loss analysis.
- Build **microservice applications** with a specialized focus on efficient tax management, resulting in streamlined operations and improved **financial performance.**
- **Implemented scalable APIs** and background workers for managing analysis and reports forming for the Sales, Purchase, Expenses while increasing reports **efficiency by 60%**.

Projects

🌐 [Deployment Link](#).	**Job Posting Finder**	**12/2023 - 01/2024**

- Developed a SaaS project that leveraged a large language model and Agentic AI techniques to rapidly identify and return job applying links on various job portals, **increasing search efficiency by 80%** compared to standard methods.
- Built a robust backend server using Python (Flask) that efficiently handled large volumes of job postings, ensuring **seamless integration** with the Next.js frontend and facilitating the **retrieval of multiple job applying links**.
- This application usage makes users to access job applying links with **ease, reducing the time spent** on job searching and application submission by an **average of 30 minutes per user**, per session.

🌐 [Deployment Link](#).	**Adenocarcinoma Classification (CI/CD)**	**12/2023 - 01/2024**

- Developed modular code for a Chest Cancer Classification model, integrating MLFlow, DVC, and DagsHub for tracking, version control, and real-time monitoring, **achieving a 94.7% accuracy rate**.
- Established a **streamlined CI/CD pipeline** for MLFlow, enhancing development efficiency and **ensuring continuous deployment** of the classification model.
- **Deployed the model on AWS** and Docker, with a user-friendly Streamlit interface for accessible and interactive visualization.

🌐 [Deployment Link](#).	**Sales Data Analysis**	**11/2023 - 11/2023**

- Masterfully employed complex parameters, filters, and slicers to intricately drill down and **customize data in the worksheet**.
- Created connections, joined new tables, calculations to manipulate data and enabled user driven parameters for visualizations.
- Used different types of customized visualization (bar charts, pie chart, donut chart, clustered bar chart etc) **increases understanding 50%.**

🌐 [Deployment Link](#).	**eCommerce Sales Analysis**	**09/2022 - 10/2022**

- Build a detailed analysis dashboard on the E-Commerce Sales Dataset using **PowerBI and SQL** for data fetching and processing.
- Engineered an intuitive PowerBI dashboard, transforming raw eCommerce sales data into visually compelling insights, **driving a 20% improvement** in decision-making efficiency.
- Identified and monitored key performance indicators **(KPIs)**, uncovering trends and patterns critical for **gaining a 10% improvement** in operational efficiency and **overall business success**.

Skills

- Python | sql | NoSQL | Flask | NumPy | Pandas | Tableau | Power BI | MS Excel | Git | Generative AI | MongoDB | Statistics | ETL
- Data visualization | Matplotlib | Machine Learning Algorithms | Image Processing | Seaborn | RestFul APIs | NextJS
- AWS cloud | MlFlow | MlOps | CI/CD | Docker | Statistics | Large Language Model (LLM) | Neural Networks

Education

Bachelor of Technology	[**RGPV University**](#)	*Bhopal, MP, India*	**08/2019 - 06/2023**

- Major in Computer Science & Engineering   **8.87 CGPA**

Certifications

- Data Analytics & Science by Pierian Data   • TensorFlow Developer by ZTM Academy

SoftSkills

• **Presentation skills** • **Problem Solving** • **Excellent Communication** • **Willingness to learn** • **Ability to work collaboratively**

Interests

- **LLM's** • **MlOps** • **Deep Learning** • **Data Science** • **Machine Learning** • **AI Agents**

Acheivements

• Runner-up in the Smart India Hackathon - 22 for the Violence Activity Detection Model (Runner Up).