

# AVIRAL JAIN

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## SUMMARY

Data Analyst with 1 year of experience at **Flipkart** and **Nagar Parishad Shahgarh**, specializing in **data analysis, visualization, and automation** using **Python, SQL, and R**. Proficient in creating dashboards with **Power BI** and **Excel** for reporting and optimization. Experienced in **inventory management, supply planning**, and improving operational workflows. Strong background in **machine learning, deep learning (DL)**, and **NLP** using **TensorFlow** and **NLTK**. Passionate about leveraging data to drive insights and enhance decision-making.

## Work Experience

### Executive Data Analyst - Flipkart August 2024 - Present

- Conducting comprehensive data analysis for the **Grocery Team**, focusing on **instock inventory management, supply planning**, and **buying projections** to optimize stock levels and improve supply chain efficiency.
- Managing **Minimum Order Value (MOV)** calculations to ensure **MOV met** for vendor orders, enhancing procurement efficiency and cost-effectiveness.
- Supporting ongoing initiatives like **IWIT (Interwarehouse Item Transfer)** to monitor stock movement and ensure adherence to supply chain targets.
- Developing, publishing, and maintaining dashboards in **Power BI** and reports in **Excel** to monitor key metrics, facilitating data-driven decision-making.
- Writing and automating scripts in **R** and **Python** for generating concise reports, such as **Out of Master (OOM) Reports, Inbound (IB) Reports**, and **Purchase Order (PO) Adherence Reports**, streamlining reporting processes and improving accuracy.
- Continuously modifying dashboards, reports, and analytical logic to adapt to changing business needs and optimize performance.
- Leveraging tools such as **R, Python, and Excel** for data processing, reporting, and automation, streamlining workflows.

### Intern - Nagar Parishad Shahgarh January 2024 - June 2024

- Engineered a highly interactive **Power BI dashboard** tailored for precise population analysis.
- Achieved insights into population distribution by category, age, marital status, disability, and Aadhaar registration.
- Included detailed analysis of family demographics and statuses for more targeted interventions.
- Leveraged **Power BI** and advanced data visualization techniques for efficient dashboard development and optimization.

## Projects Experience

### 1. Gemini SQL Assistant

- Simplified database management by translating English queries into SQL queries for efficient execution.
- Integrated Gemini API seamlessly to facilitate data retrieval and manipulation processes.
- Developed a user-friendly interface using Streamlit for effortless interaction and usability.
- Achieved significant time savings in data querying and analysis tasks, enhancing overall productivity.
- Deployment Link: [Gemini SQL Assistant](#)

### 2. Soybean Leaf Disease Classifier

- Engineered a CNN model with high precision for accurate classification of various soybean leaf diseases.
- Conducted extensive image preprocessing techniques to optimize model performance and accuracy.
- Achieved early detection of diseases, resulting in improved crop yield and agricultural outcomes.
- Implemented the model in a Jupyter Notebook environment to facilitate easy experimentation and refinement.

## Skills

**Programming Languages :** Python, SQL ,R  
**Python Libraries :** Numpy, Pandas, Matplotlib, Seaborn , Scikit-learn (sklearn) , TextBlob, NLTK, Tensorflow, Keras  
**Visualization Tools :** Microsoft Power Bi , Tableau  
**Additional Skills:** Machine Learning (ML), Deep Learning (DL), Natural Language Processing (NLP)

## Education

2022 - 2024 Masters of Science (Data Science and Analytics)  
**School of Data Science and Forecasting, DAVV Indore, (M.P)** (SGPA: 8.12)  
2019 - 2022 Bachelor of Science (Statistics, Mathematics , Economics)  
**Government Holkar Science College, DAVV Indore, (M.P)** (CGPA: 8.2)