



About Me

Hi! I'm **Rahul Rai**, a passionate data scientist and AI enthusiast. I love building data-driven solutions, machine learning models, and interactive dashboards.

[Download Resume](#)

SKILLS

1. Python

2. Machine Learning

3. Deep Learning

4. Natural Language
Processing

5. Data Analysis

6. SQL

7. HTML, CSS & JavaScript

8. React & Flask

9. Streamlit

10. Git & GitHub

Projects

Job Analytics Dashboard

Interactive dashboard to visualize job roles, salaries, and companies.

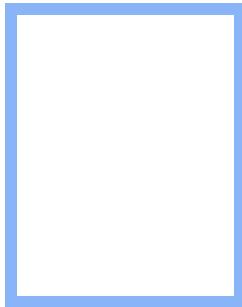
[Live Demo](#) | [GitHub](#)

Fish Classification Model

Image classification using CNN on 10 fish species dataset.

[Live Demo](#) | [GitHub](#)

Resume



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RAHUL RAI
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Professional Summary
Aspiring Data Analyst with hands-on experience in data wrangling, statistical analysis, machine learning, dashboard development. Proficient in Python, SQL, and visualization tools. Experienced in computer vision, and data storytelling. Eager to contribute to real-world, data-driven decision-making.

Skills

- Programming & Tools: Python, SQL, Git, Excel, Streamlit, OpenCV
- Data Analysis & Visualization: Pandas, NumPy, Seaborn, Matplotlib, Tableau, Plotly, Excel Pivot Tables
- Machine Learning: Regression, Classification, Clustering, XGBoost, SMOTE, KMeans, Random Forest, Gradient Boosting
- Time Series Forecasting: ARIMA, Prophet, Moving Averages
- Computer Vision: CNN, YOLOv11, ResNet50, Cosine Similarity
- NLP: Text Cleaning, TF-IDF, Sentiment Analysis, Topic Modeling (LDA/NMF)
- Deployment: Streamlit, Jupyter Notebook, GitHub Pages
- Other: EDA, Feature Engineering, Hypothesis Testing, GitHub Collaboration

Projects

- **Fraud Transaction Detection:** Developed a fraud detection pipeline using XGBoost and SMOTE on imbalanced data (1.7M records). Achieved 94% ROC-AUC with advanced feature engineering.
- **Fish Image Classification (Computer Vision):** Built a multi-class fish classifier using YOLOv11 on a custom dataset. Achieved high accuracy with cosine similarity-based validation.
- **E-commerce Segmentation Dashboard:** Performed RFM segmentation and visualized results using Tableau and KMeans. Improved marketing targeting using CLV analysis.
- **Electricity Demand Forecasting:** Forecasted energy demand using ARIMA and Prophet. Considered and seasonal trends over time.
- **Customer Complaint Dashboard (Excel):** Created an Excel dashboard using PivotTables to analyze resolution trends by region.

Contact Me
