KABYIK KAYAL

LinkedIn | GitHub   Portfolio Website   Kolkata, West Bengal, India

scientistk001@gmail.com   +91 9734450130

Career Objective

Data Scientist with a strong foundation in MLOps, Machine Learning, and Data Analysis. Excited to apply AI for solve real-world problems and contributing to groundbreaking research at innovative organizations like Google DeepMind.

Professional Experience

GenAI Intern (Remote)

Second Brain Labs   **Jul 2024 – Sep 2024**

- Executed targeted marketing campaigns using GenAI chatbots, resulting in a 32% increase in qualified leads.

Projects

Chicken Disease Image Classifier   **Github**

- Built a TensorFlow-based classifier for early detection of poultry diseases via fecal images.
- Achieved 87.6% classification accuracy, supporting early interventions in poultry farms.

Customer Lifetime Value Prediction System   **Github** | **Demo**

- Developed an end-to-end pipeline using XGBoost for CLTV prediction.
- Designed MLOps pipelines using ZenML, improving workflow productivity by 40%.
- Deployed on Render server for worldwide access 24/7.

COVID-19 Data Analysis with Tableau Dashboard   **Github** | **Demo**

- Performed in-depth analysis of global COVID-19 trends using SQL and Python.
- Created dashboards for visualization and policy impact insights.
- Built an interactive Tableau dashboard for sales data visualization and insights.

HR Dashboard with Power BI   **Github**

- Designed an interactive Power BI dashboard to streamline HR reporting.
- Reduced analysis and reporting time by 75%.

Technical Skills

- **Programming:** Python, SQL, Go
- **Data Science & ML:** Pandas, Scikit-learn, TensorFlow, XGBoost, MLFlow
- **Data Visualization:** Power BI, Tableau, Matplotlib, Plotly, Excel
- **MLOps & DevOps:** ZenML, DVC, Docker, Git, AWS

Education

Bachelor of Science in Data Science & Programming

Indian Institute of Technology (IIT) Madras   **June 2024 - Present**