

Data Science Internship Portfolio – **Ridhwan S**

Internship at Luminar Technolab & Coding Samurai

March 2025 – April 2025

About the Internship

- Duration: 1-month remote internship
- Domains: Data Science, Machine Learning, and Data Analytics
- Tools: Python, Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, ARIMA, TextBlob
- Deliverables: GitHub repos, blog posts, PPTs, video demonstrations

Project Summary

1. Superstore Sales Analysis (EDA)
2. Linear Regression on Ad Data
3. Titanic Classification with Logistic Regression
4. Advanced Logistic Regression (Feature Engineering)
5. Time Series Forecasting of AAPL Stock (ARIMA)
6. Twitter Sentiment Analysis using NLP

Projects 1 & 2 – Sales Analysis & Linear Regression

- EDA on Superstore data: Trends, profits, regions
- Linear Regression on ad spend vs sales
- Metrics: R^2 , MSE, coefficient interpretation
- Visuals: Line/Bar plots, regression plots

Projects 3 & 4 – Titanic Survival Prediction

- Cleaned dataset, handled nulls
- Logistic regression (basic and advanced)
- ROC-AUC, accuracy evaluation
- Feature importance and regularization

Project 5 – AAPL Stock Price Forecasting

- Dataset: Apple Inc. stock history
- ARIMA modeling, stationarity checks
- Differencing, ACF/PACF analysis
- Forecast visualization and error metrics

Project 6 – Twitter Sentiment Analysis

- Dataset: Sentiment140
- NLP pipeline: Tokenization, stopwords, lemmatization
- Sentiment classification using TextBlob
- Word clouds & bar plots for visualization



Thank You!

It's been a rewarding journey sharing my Data Science internship experience with you.



Let's Connect & Collaborate



Explore more of my work

GitHub Repo: [Coding Samurai's Internship Tasks](#)

LinkedIn: [Profile](#)

“Together, let's build the future with data!”



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