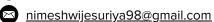
# Nimesh Wijesuriya

Machine Learning Engineer | Data Scientist | Data Analyst







in LinkedIn



GitHub

## **EDUCATION**

• Bachelor of Science with Statistics, Computer Science, Applied Mathematics

University of Colombo

2020 - 2023

• G.C.E. Advanced Level 2018

Central College Kuliyapitiya

Combined Mathematics: B Chemistry: B Physics: C

G.C.E. Ordinary Level 2014

S.W.R.D. Bandaranayake National College Panduwasnuwara

Achieved 8 As and 1 Cs

## **WORK EXPERIENCE**

**Trainee Data Scientist** 

DataDisca (Pvt) Limited, Melbourne

September 2023 - November 2023

- Developed text analysis solutions using the Transformers Library, including zero-shot classification, text generation, and named entity recognition. Built a sentiment analysis model achieving over 86% testing accuracy.
- Utilized GPT 3.5 API for large language model (LLM) tasks.
- Created visualizations and interactive maps with Plotly, Seaborn, Matplotlib, and Folium.
- Conducted data exploration with D-Tale and managed version control using Git.

# **Intern Data Scientist, Group Business Operations**

## **Dialog Axiata**

November 2023 - July 2024

- Designed a machine learning model to predict Non-Performing Loans for Dialog Lesipay, improving prediction accuracy by around 70%.
- Analyzed key features such as ARPU, data usage, refill counts, and voice call usage to enhance ML model accuracy.
- Built a rule-based Python credit scoring model to rank over 7,000 Lesipay loan Completed customers based on their repayment behavior.
- Performed analytics using SQL queries to extract actionable insights from the Snowflake for Dialog Lesipay's business unit.
- Assisted with campaign launching by selecting over 3.5 million eligible customer base and resolving Lesipay customer's issues.

# TECHNICAL SKILLS

- Programming Languages: Python, SQL, Java
- Machine Learning: Scikit-Learn, TensorFlow, XGBoost, MLflow
- Deep Learning: TensorFlow, Keras
- Data Analysis: NumPy, Pandas, Microsoft Excel
- Data Visualization: Tableau, Power Bl, Seaborn, Plotly
- Big Data Technologies: Snowflake, PySpark
- Cloud Computing: AWS, AWS SageMaker, Docker
- Natural Language Processing: Hugging Face Transformers, LangChain, ChatGPT API
- Version Control: GitHub

# **SOFT SKILLS**

- Communication
- Analytical
- Teamwork
- Quick Learning
- Creativity



# 1. Telco Customer Churn Prediction Model | GitHub Repository

- Executed a predictive model for customer churn using XGBoost with 79% Prediction Accuracy.
- Created training and prediction pipelines, and Enhanced a Flask web app for user interaction.
- Tracked model performance with MLflow and managed CI/CD pipelines with GitHub Actions.
- Deployed the solution on AWS using EC2, ECR, Docker, and configured a self-hosted runner for continuous integration.

Technologies: Python, MLflow, Flask, GitHub Actions, Docker, AWS EC2, AWS ECR, html ,CSS

## 2. House Price Prediction ML Model | GitHub Repository

- Launched a house price prediction model using scikit-learn with 76% Model Accuracy.
- Implemented train, prediction pipelines, a Flask web app, and containerized the application with Docker.
- Designed CI/CD with GitHub Actions and AWS CodePipeline, deploying to AWS Elastic Beanstalk. Technologies: scikit-learn, SimpleImputer, AWS CodePipeline, AWS Elastic Beanstalk

# 3. Loan Status Prediction ML Project using AWS SageMaker | GitHub Repository

- Established a loan status prediction model using AWS SageMaker and XGBoost.
- Processed data by splitting it into training and test sets, stored in S3, and used boto3 for AWS service management.
- Deployed the model as a SageMaker endpoint for predictions.

Technologies: AWS SageMaker, S3, boto3, pandas

## 4. eCommerce YTD Sales Analysis Tableau Dashboard | GitHub Repository

- Generated a Tableau dashboard to visualize KPIs like sales, profit, and order quantity, using a dataset of over 50,000 entries.
- Included visualizations such as a pie chart for regional market share, a bar chart for category-wise sales analysis, and a line chart for customer acquisition trends, comparing YTD and PYTD performance.

Technologies: Tableau, Data Visualization, eCommerce Analytics

## 5. Customer Personality Analysis Tableau Dashboard | GitHub Repository

- Constructed Tableau dashboard to analyze customer behavior and preferences using supermarket sales data
- Focused on demographics, purchase history, and campaign engagement metrics to provide actionable insights for optimizing product offerings and marketing strategies.

Technologies: Tableau, Data Visualization, Customer Analytics

## 6.Retail Company Sales Analysis Power BI Dashboard | GitHub Repository

- Generated a Power BI dashboard to analyze sales performance across outlets and item types.
- Utilized data visualizations, filters, and KPI indicators to provide actionable business insights.

Technologies: Power Bl, Data Visualization, Sales Analytics

# **LICENSES & CERTIFICATIONS**

## • Machine Learning Specialization

DeepLearning.Al and Stanford University, Coursera Covered supervised and unsupervised learning concepts.

# • SQL for Data Science

University of California, Davis, Coursera Enhanced skills in data manipulation and analysis.

# Introduction to Data Engineering

IBM, Coursera

Gained foundational knowledge in data engineering.

## **NON RELATIVE REFERENCE**

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