



Diluksha Perera

Associate Data Engineer | MSA - GOLD | Speaker | Event Organizer

Highly motivated Data/AI enthusiast with a solid foundation in visualization, machine learning, and Python. Excited to apply my knowledge and gain real-world experience. Strong work ethic and a passion for tackling complex problems through data/AI engineering.

SKILLS

- Machine Learning
- Deep Learning
- Power Platform
- Azure Data Factory
- Azure Synapse
- Leadership
- Problem Solving
- Team Work

EXPERIENCE

Associate Data Engineer

Bistec Global Services

2024 Dec - Present

Contributed to building scalable data pipelines and optimizing workflows to support analytics and business intelligence initiatives.

Data Engineer - Intern

Bistec Global Services

2024 June - 2024 Dec

Worked with AI & data technologies to design and implement data-driven solutions by collaborating with cross-functional teams.

Microsoft Student Ambassador - GOLD

Microsoft - Sri Lanka

2025 Aug - Present

Mentored peers, built tech communities, and promoted cutting-edge technologies through strategic outreach and collaboration.

Microsoft Student Ambassador - BETA

Microsoft - Sri Lanka

2023 Nov - 2025 Aug

Fostering a community and collaboration while leveraging Microsoft Technologies with fellow students

President - DatAIInspire

Kotelawala Defence University

2023 - 2024

Leading a community that passionate about AI and Data Science while organizing and nurturing.

EDUCATION

UB Wanninayaka National College

Secondary Education

2006-2019

Excelled during secondary studies at school, demonstrating strong leadership skills and motivated approach to learning

General Sir John Kotelawala Defence University

Applied Data Science Communication

2022- Present

Pursuing studies at the university, where I'm actively engaged in learning and contributing to the academic community.

Portfolio

077 - 1916256

dilukshakaushal@gmail.com

Borupana, Ratmalana

LANGUAGE

English | Sinhala

ACHIEVEMENTS



Google Certified Data Analyst



Microsoft Azure Fundamentals



Microsoft Azure Data Fundamentals



Microsoft Azure AI Fundamentals



Microsoft Student Ambassador - GOLD



Microsoft Azure Responsible AI Workshop - Coach



Microsoft Copilot for Security Ninja Training



Microsoft PowerUp Program Graduate

PROJECTS

Undergraduate -----

1. Sales Analysis & Visualization - [Link](#)

Utilized Python for in-depth sales data analysis and visualization. Created interactive Power BI reports that revealed actionable insights, leading to improved decision-making for sales strategies.

2. Market Prediction for Festival Season - [Link](#)

Secured 3rd place in a competition for predicting bakery product market demand during the festival season. Developed a predictive analysis model using a dataset provided by the Octave company. This project shows my expertise in data analysis and model building in real-life use cases.

3. Flight Punctuality Prediction using ANN - [Link](#)

Developed a machine learning model to predict flight punctuality using an Artificial Neural Network (ANN) implemented with TensorFlow and Keras libraries. Created informative and interactive visualizations using Plotly to effectively communicate the model's performance and insights.

4. Greater Manchester Higher Education Analyzer - [Link](#)

Collaborated in a team to analyze data on education sector using Azure Data Studio for data manipulation and Power BI for interactive visualizations. The project culminated in the creation of a comprehensive video guide, providing valuable insights in the educational landscape.

5. UFC Players Performance Analysis - [Link](#)

Performed a comprehensive analysis of UFC player performance data using R and Python. This included data cleansing, transformation, and K-means clustering to identify distinct player segments. I then designed an informative Power BI report and a video to deliver actionable insights for stakeholders (including players and judges).

Associate Data Engineer -----

6. Predicting Customer Satisfaction with AI and Real-Time Insights

Predicting customer satisfaction by utilizing a predictive model built on previously classified labels. It integrates data from ServiceNow through APIs, balances an imbalanced dataset, and fine-tunes a Hugging Face LLM for production. Used Azure Synapse pipelines for real-time predictions and visualizes results in an interactive Power BI report, providing valuable insights into customer sentiment.

Tech Stack : ServiceNow API, Azure Synapse Studio, Hugging Face, Power BI

7. Automated CSV Generation Pipeline

Used Azure Data Factory pipeline to automate the generation of CSV files. The solution utilizes SQL stored procedures for data filtering, implements data flows in Azure Data Factory, and stores the final CSV file in an Azure Storage Account for easy access and use.

Tech Stack : Azure Data Factory, Microsoft SQL Server

8. [AI-Powered Blog Generation for Marketing](#) - [Link](#)

Build to replace traditional marketing agency processes by using AI agents to generate SEO-friendly blog posts. Used open-source APIs and AI frameworks to automate content creation, enabling efficient and cutting-edge marketing solutions for businesses.

Tech Stack : Open-source LLMs, Python, HuggingFace Space

PUBLICATIONS

[Automate the Process of Sending Bulk Emails](#)

[Unlock the Power of ML models inside the Power BI](#)

[Empowering Data Engineers and Scientists: Azure Synapse PySpark Notebooks in Action!](#)

[Introduction to Azure Synapse for Data Roles in the Data Field](#)

CONNECT

