VIDUTH ISHARA | 07471706044 | viduthishara@gmail.com | [LinkedIn](#)

Data Scientist | AI Engineer | Machine Learning Engineer

Experienced Data Scientist & AI Engineer with end-to-end expertise across machine learning, computer vision, forecasting systems, data engineering, and cloud-based automation. I specialize in building AI products that deliver reliable models, governed data workflows, and secure enterprise applications. Known for precise, methodical engineering, I design and deploy production-grade ML pipelines using Python, SQL, TensorFlow, and Azure to replace manual, error-prone processes. I have successfully shipped AI components, forecasting engines, MDM systems, and SaaS-style apps while effectively communicating complex concepts to non-technical stakeholders to ensure smooth business transitions.

EXPERTISE | KEY SKILLS

Spoken Languages: English, Sinhala.

Experience: 2 Years of Data Science and Software Engineering.

Languages: Python, SQL, JavaScript (React, TypeScript), HTML/CSS

AI & ML: TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, NLP, Computer Vision, Forecasting.

Cloud & Data: Azure (Functions, SQL Storage), Power Platform (Power Apps, Dataverse), ETL Pipelines.

PROFESSIONAL EXPERIENCE

Data Analytics & Visualisation | Data Scientist   November 2024 – October 2025

Data Analytics & Visualisation is a UK-based consultancy delivering AI/ML Solutions, enterprise data platforms, and Power Platform solutions. I was responsible for building production-grade ML models, automated ETL pipelines, data-governed applications, and cloud-integrated enterprise workflows across Azure and Power Platform.

- Designed and deployed a full ML forecasting pipeline using Python (Pandas, NumPy, Scikit-Learn), Azure Functions, and SQL Storage; engineered features from sales, promotions and seasonality; evaluated Random Forest, XGBoost and SARIMA models; delivered 35% forecast accuracy improvement and reduced stockouts across 200 plus SKUs for a global retail brand.

- Built a complete claims management application for a global aviation insurance client using Power Apps (Canvas apps), implemented secure workflows, audit trails, field-level security and automated rule-driven validations; achieved a 30% reduction in processing time.

- Built a Master Data Governance (MDM) platform using a Model-Driven Power App, SQL Server, Azure, custom JavaScript components, and Python automation scripts for data ingestion; implemented validation rules, uniqueness checks, lineage tracking, and controlled update pathways; reduced duplicated records by 40% and established a single authoritative data source for underwriting, claims, and finance.

- Developed automated Python ETL pipelines and SQL data models replacing manual spreadsheets; implemented anomaly detection, structured reporting tables and Azure-scheduled refresh cycles; cut manual reporting by 40% and eliminated recurring data errors.

- Engineered SharePoint SPFx components using React and TypeScript to improve compliance workflows, replace legacy forms and deliver more transparent, audited data submissions across aviation operations.

Mas Capital | Data Engineer   **October 2022 – December 2022**

MAS Holdings is a global apparel-tech conglomerate in Sri Lanka. I delivered predictive analytics, inventory optimization, customer segmentation and enterprise data engineering solutions as part of the Finance Data Analytics Transformation 4.0 programme.

- Built Python-based forecasting models (Python, Pandas, NumPy, Scikit-Learn) to optimise stock levels; engineered features from sales, ageing, and replenishment patterns; reduced out-of-stock instances by 15% and improved planning transparency through automated dashboards.

- Developed predictive modelling pipelines for ACME using Python, SQL, Power BI and Azure-based data ingestion flows; implemented structured ingestion, model execution, visualisation pathways; improved forecast visibility and sped up cycle time for finance analytics teams.

- Designed customer-profiling and segmentation models for AR using Python, SQL, Power BI and statistical segmentation techniques; built dashboards that highlighted customer behaviour patterns, risk groups, spend clusters and operational anomalies, improving segmentation accuracy.

- Integrated disparate operational and financial datasets into unified analytics views using SQL, ETL scripting and Power BI, improving regulatory compliance and enabling cross-functional insight generation.

Eblix Technologies | Intern Software Engineer   **August 2020 – August 2021**

EBlix Technologies builds enterprise-grade web platforms for global clients across finance, e-commerce and operations.

- Developed production-grade UI components using React, JavaScript, HTML/CSS and modular state-management patterns, improving front-end performance and load efficiency by 20% across key enterprise applications.

- Integrated front-end modules with REST API backends, implementing strong data-validation logic, structured error-handling flows and secure request patterns; improved system reliability and reduced UI-side failures.

- Optimised rendering workflows, refactoring legacy components into reusable, performance-efficient units; reduced DOM reflows, improved responsiveness and enhanced cross-browser stability.

EDUCATION

MSc Data Science and Analytics University of Westminster   **January 2023 – March 2024**

- Dissertation: Spin Vision: Pose estimation based Deep Learning Analysis of Left-Arm Spin Bowling Technique.

BEng (Hons) Software Engineering University of Westminster   **September 2018 – September 2022**

- Dissertation: The Wicket Keep Coach: Wicket Keeping Technique Analysis Using Pose Estimation and Deep Neural Networks.

CERTIFICATIONS

IBM Rag & Agentic AI Professional Certificate   **July 2025**