VIDUTH ISHARA | 07471706044 | viduthishara@gmail.com

Seeking: Data Science \ Ai Engineering \ Machine Learning Engineering

- Experienced Data Scientist & AI Engineer with end-to-end expertise across machine learning, computer vision, forecasting systems, data engineering, and cloud-based automation**.** Strong background building AI products delivering reliable models, governed data workflows, and secure enterprise applications. Known for precise, methodical engineering and a commitment to solving complex, high-impact problems using robust ML and automation.
- Designs and deploys production-grade ML pipelines, automating forecasting, classification, and computer-vision inference across Azure and on-prem environments. Uses Python, SQL, TensorFlow, PyTorch, and Scikit-Learn to build models that improve accuracy, reduce operational risk, and replace manual, error-prone processes. Integrates AI systems with enterprise platforms including Azure Functions, Power Platform, Dataverse, SQL Server, and REST APIs**.**
- Automates data flows and reporting with Python ETL, SQL models, and cloud functions eliminating repetitive work, improving data quality, and delivering real time datasets to operational teams. Builds secure, compliant solutions with strong governance, lineage, auditability, and validation rules. Has shipped AI components, forecasting engines, MDM systems, and full SaaS-style apps used by analysts, planners, and teams in critical environments.
- Delivers projects on time and fully aligned with business outcomes, working across cross-functional teams. Skilled at simplifying complex ML concepts for non-technical stakeholders. Reliable in new systems adaptations. Recognised for clear communication, domain understanding, and the ability to design solutions that transition smoothly into business operations.

EXPERTISE | KEY SKILLS

- 2 Years of Data Science and software engineering
- Microsoft Power Platform
- Computer Vision
- Python Developer
- Deep learning
- Azure
- AI Engineering
- NLP
- Forecasting
- Pose Estimation
- SQL

PROFESSIONAL EXPERIENCE

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

- 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 — October 2022 – December 2022
Data Engineer

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

- 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 and reducing manual analysis workload.
- Integrated disparate operational and financial datasets into unified analytics views using SQL, ETL scripting and Power BI, improving regulatory compliance, enabling cross-functional insight generation, and making downstream ML modelling more stable.

Eblix Technologies — August 2020 – August 2021
Intern Software Engineer

eBlix Technologies builds enterprise-grade web platforms for global clients across finance, e-commerce and operations. I engineered UI components, strengthened front-end architecture, and delivered reliable integrations for high-traffic enterprise systems.

- 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 during high-volume transactions.
- 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 (Merit) — Januray 2023 – March 2024
University Of Westminster

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

Beng (Hons) Software Engineering (Upper Second) — Januray 2023 – March 2024
University Of Westminster

- 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