HASARANGA JAYATHILAKE, MS

Website Graduate Highlight ✉ hdj1414@gmail.com LinkedIn GitHub Google Scholar (317)-334-5713

EDUCATION

Indiana University, Indianapolis, IN (CGPA: 4.0): *MS Applied Data Science* — Expected - December 2024

Sheffield Hallam University, Sheffield, UK (GPA: 3.55 – Merit Pass):
MSc. Logistics and Supply Chain Management (Honors) — Graduated – January 2017

General Sir John Kotelawala Defence University, Sri Lanka (GPA: 3.89 – First Class):
BSc. Logistics Management (specialized in Supply chain management) (Honors) — Graduated - October 2015

SKILLS SUMMARY

Languages: *Python, SQL, R, JavaScript, HTML, CSS*
Platforms: *AWS, MS Windows, Linux, Azure, Google Colab*
Data Processing: *ETL Processes, Data Wrangling, Data Pipelines, APIs (Weather Pillar, GSI API), Spark, CUDA*
Tools: *ERP (SAP, Oracle), SQL Server, Oracle, MySQL, MongoDB, MS-Office, XML, JSON, Jira, SPSS, MATLAB, Figma*
Data Visualization: *ArcGIS, PowerBI, D3.js, Tableau, Google Analytics, Plotly, Excel, PowerPoint, Visio, Vega-Altair*
Frameworks: *Pyspark, PyTorch, Selenium, NumPy, Pandas, Scikit-Learn, ML, NLP, TensorFlow, Matplotlib, Git, Hadoop*
Analytics: *Regression Analysis, Predictive and Sentiment Analytics, Clustering, Time Series, Geospatial Data Analysis*
Soft Skills: *Problem-Solving, Project Management, Team Collaboration, Communication, Leadership, Documentation*

INDUSTRY EXPERIENCE

Head of Data Science Team – *COMET Lab, Indiana University, Indianapolis, IN* — December 2023 – Present
- Led geospatial data processing and analysis for SAVI using Python & R for extracting insights from GSI APIs using.
- Led NLP, ML, data analytics, and visualization projects using Python, R, PowerBI, Tableau to meet clients' expectations.

Graduate Adjunct Instructor - *Indiana University, Indianapolis, IN* — January 2023 – Present
- Teach data visualization on geospatial data using python, D3js, and *Tableau* for visualization design Graduate Course.
- Teach on database design with SQL on Oracle and *SQL Server* database for Data Representation Undergraduate course

Lecturer – Supply Chain, Business Analytics, and Project Management — *Visiting Lecturer: June 2022 – Present*
Human Resource Management Institute (HRMI), Colombo, Sri Lanka — *Full-time Lecturer: August 2021 – June 2022*
- Developed and delivered curriculums for supply chain, project management, business analytics, and research methodologies for master's and undergraduate programs offered by the University of Northampton, UK.
- Impacted student success by providing practical knowledge and skills needed in the logistics and supply chain industry.

Data Scientist – *COMET Lab, Indiana University, Indianapolis, IN* — August 2023 – December 2023
- Developed ETL process to analysis datasets from US Census, CDC and IRS APIs and Created SOPs on Data Wrangling.
- Developed a standardized Git Repository for all project tracking, client engagement, and continuous improvement.

Financial and Operation Analyst - MSS Sri Sai Enterprise, Hulu Langat, Malaysia — May 2017 – August 2021
- Reduced overvaluation of purchased materials by 70% by creating an integrated transaction system.
- Improved the tender bidding success rate by 80% by standardizing tender related evaluation practices.

Demand Planner - *Industrial Clothings Pvt. Ltd., Avissawella, Sri Lanka* — June 2016 – April 2017
- Contributed to a 65% increase in on-time shipments by implementing an SAP ERP system into the shipment and order planning process from East Asian suppliers to North American customers.

Operation Development Management Trainee - DP Logistics Pvt. Ltd., Colombo Sri Lanka — July 2015 – May 2016
- Designed the workflow of all operations for an in-house ERP solution, reducing operation costs by 45%.
- Established standardized operation practices (SOP) to create lean system for all logistic and supply chain operations.

VOLUNTEER EXPERIENCE

Tutor Volunteer - *Brightlane Learning, Indianapolis, IN* — August 2022 – Present
- Tutoring Mathematics and English for homeless elementary pupils at Wendell-Phillips 63 and IPS 31 in Indianapolis.

PUBLICATIONS & ACADEMIC PROJECTS

- **Won Best Deep Learning Project Award** at IUPUI Computer Science Club's Datathon 2024 for NLP development.
- **Developed Data Model to fish Catch prediction on with Big Data and PySpark** *for Alaska Longline Sablefish*
- **Published "Employee Development and Retention of Generation-Z Employees in the Post-COVID-19 Workplace: A Conceptual Framework."** *Benchmarking: An International Journal 28 (7), 2343-2364 (2021)*

CERTIFICATIONS

- **Data Analytics and IT Support Professional Certificates -** Google
- **Six Sigma Yellow and Green Belt Specialization Certificate** – University System of Georgia
- **Excel Skills for Business Specialization Certificate** – Macquarie University, Sydney Australia
- **Agile Development and Digital Product Management Specialization Certificates** – University of Virginia
- **Supply Chain Analytics Certificate –** Rutgers University, New Jersey