Didula Heshan Thilakarathna

Data Science Enthusiast

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ABOUT ME

Data science enthusiast with a strong foundation in machine learning, statistical analysis, and predictive modeling. Experienced in Python, SQL, and visualization tools to extract insights and support strategic decisions. Eager to leverage analytical skills to drive business outcomes and contribute to innovative data science initiatives.

PROFESSIONAL EXPERIENCE

Internship – Data Analytics, Divisional Lean Enterprise | MAS Intimates – Rathmalana (May 2025 – Present)

- Designed and implemented digital platforms to streamline operations and enhance traceability across business processes.
- Developed interactive dashboards and Power Apps for real time data entry, monitoring, and reporting.
- Conducted data analysis and automation using **Python, SQL, Power BI**, and **Excel** to generate actionable insights for decision making.
- Applied Lean Manufacturing principles to optimize workflows, boost efficiency, and support continuous improvement initiatives.
- Strengthened presentation and leadership skills by leading projects, delivering insights to stakeholders, and coordinating cross functional collaboration.

EDUCATION

University Of Kelaniya | Faculty of Science   (2022 – 2025)

- Bachelor of Science in Physical Science | Major in **Statistics , Computer Science** and **Pure Mathematics**
- Grade : Second Class Upper Division | GPA : 3.43

Pinnawala Central College   (2011–2020)

- G.C.E. AL's – 2020 | Physical Science | Combined Mathematics : B , Chemistry : B , Physics : C
- G.C.E. OL's – 2016 | 9A's

TECHNICAL SKILLS

- **Programming & Analysis:** Python, R, SQL, Excel
- **Libraries & Frameworks:** NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn
- **Data Visualization & BI Tools:** Power BI, Power Apps
- **Automation & Workflow:** Power Automate, SharePoint, Dataverse
- **Front-end Development:** HTML, CSS, JavaScript, React
- **Back-end Development:** Java, Spring Boot, PHP, .NET, Node.js
- **Databases:** MySQL, MongoDB
- **Version Control:** Git, GitHub
- **Cloud Platforms**: Azure

PROJECT EXPERIENCE

Face Recognition-Based Attendance System

- An automated attendance system using face recognition to track and record attendance. The system captures facial data, recognizes faces in real-time, and displays attendance records through a user-friendly interface.
- Technologies Used : **Python, OpenCV, scikit-learn, Streamlit, NumPy, Pandas, Pickle**
- Source Code : Face_Recognition_System

Breast Cancer Prediction Using Machine Learning

- A machine learning–based system for breast cancer prediction, analyzing medical data to classify tumors as benign or malignant.
- Technologies Used : **Python, Jupyter Notebook, Pandas, NumPy, Scikit–learn**
- Source Code : <u>Breast Cancer Prediction</u>

ICC T20 Cricket World Cup 2022 Data Analysis with Power BI Dashboard

- Developed an interactive Power BI dashboard to analyze cricket match performance, player statistics, and team trends using data from ESPNcricinfo. Applied key data analytics techniques to provide a comprehensive view of tournament dynamics
- Tools & Technologies: **Python, Pandas, Web Scraping, Power BI**
- Link : <u>Cricket_Data_Analysis</u>

Statistical Analysis of the Performance of Sri Lanka Men's Cricket Team Since 2015 (Group Research Project)

- Conducted a comprehensive statistical analysis to investigate factors contributing to the decline in performance of the Sri Lanka Men's Cricket Team. Utilized advanced statistical methods to identify trends, key performance indicators, and potential areas for improvement.
- Link : <u>https://tinyurl.com/293x995t</u>

Netflix Clone Site – An Enterprise Application

- Developed a Netflix–inspired streaming platform with user authentication and video playback.
- Technologies Used: **React.js (Frontend), Spring Boot (Backend), MongoDB (Database)**
- Source Code : <u>https://shorturl.at/6rBCx</u>

EXTRACURRICULAR ACTIVITIES

AIESEC Colombo North

- Actively contributed to AIESEC Colombo North in multiple roles including Product Strategy Team Leader, EEs and Campaigns Team Leader, and Graphic Designer. Led project teams, developed strategies, managed campaigns, and created visual content to support organizational initiatives.

Kelani Steam – Science Faculty Media Unit , University of Kelaniya

- Exco Member – Assistant Head of Designing

Statistics and Computer Science Students' Association , University of Kelaniya

Team Member – UOK Wushu

LICENSES AND CERTIFICATES

- Certificate in Software Engineering | Institute of Software Engineering – IJSE | 2024 March – 2024 October
- Machine Learning Using Python – Simplilearn
- Python Libraries for Data Science – Simplilearn
- Power BI for Beginners – Simplilearn

REFERENCES

Mr. Nuwan Jayasinghe
- Assistant Manager ,
- Divisional Lean Enterprise , MAS Intimates
- Contact No : 076–1953136.
- Email :   NuwanJ@masholdings.com

Dr.Thosini Kumarika
- Senior Lecturer,
- Faculty of Science, University of Kelaniya.
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- Email :   thosini@kln.ac.lk.