DAYANA PRIYADHARSHANI KUMAR

BSc (Hons) IT *Specialized in Data Science*

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EDUCATION

Bachelor of Science (Hons) in Information Technology, *Specialized in Data Science*

My Portfolio

Sri Lanka Institute of Information Technology (SLIIT)

February 2023   *Malabe*

TECHNICAL SKILLS

Programming Languages

- Python
- R
- C++
- SQL
- JAVA
- Kotlin
- BASH
- Java Script
- C

Data Science Concepts

- Machine Learning
- Data Preprocessing
- Deep Learning Basics
- Statistical Analysis

Python Libraries

- NumPy
- Pandas
- Matplotlib & Seaborn
- Scikit-learn
- TensorFlow & PyTorch
- Statsmodels

CERTIFICATIONS

Master Machine Learning for Data Science and AI: Beginner to Advanced
Issued by: Dhaval Patel, Founder of CodeBasics.io
March 2025

Dean's List Certification
SLIIT | 2023-2024
Recognized for outstanding academic performance with a CGPA of 3.87/4.00. Awarded Dean's List honor three times.

Generative AI Tools for Productivity and Research
Issued by: Wuraola Oyewusi, Data Scientist
August 2024

EXPERIENCE

Third Space Global – Part Time
Mathematics Educator – SATs & GCSE Math (UK Students)
February 2024 - Present

PROFILE SUMMARY

Results-driven **3rd-year Data Science undergraduate** with hands-on experience in **machine learning, data analysis, and statistical modeling**. Proficient in **data visualization** and deriving insights. Strong problem-solving skills, adaptability, and ability to collaborate in **cross-functional teams**. Eager to apply **AI & ML expertise** to real-world challenges.

PROJECTS

Predictive Health Insurance Model for Shield Insurance
Personal Project   *February 2025*

- ❖ Developed a **regression-based predictive model** to estimate **health insurance premiums** for Shield Insurance using age, smoking habits, BMI, and medical history.
- ❖ Built an interactive **Streamlit** app to allow **underwriters** to input data and get real-time premium predictions.
- ❖ The app enabled underwriters to make accurate premium estimates with **97% accuracy**, significantly improving the underwriting process

- ❖ **Skills: Pandas, Numpy, Pytorch, Jupyter Note Book**

HR Presence Analytics Dashboard Development for Atliq
Personal Project   *February 2025*

- ❖ Developed an **HR Presence Analytics Dashboard** for Atliq using **Excel** data, **Power BI**, and **DAX** to analyze attendance, work-from-home, and sick leave trends.
- ❖ Designed **web and mobile-optimized** Power BI dashboards with **interactive data visualizations** and **predictive analytics** to enhance project planning and staffing efficiency.
- ❖ Leveraged **DAX calculations** and **time-series analysis** to generate actionable insights, leading to a **40% improvement in staffing efficiency**, **30% reduction in project delays**, and **better workforce allocation**.

- ❖ **Skills**: **Power Query, Power BI, DAX, Excel**

Inspection Scheduling & Reporting System – Building Construction and Project Planning Web Application
Group - Academic Project   *October 2024*

- ❖ Developed an Inspection Scheduling module using **MERN** enabling project managers to **assign inspection dates, times**, and **inspectors**, integrate **Google Maps** for **location tracking**, and generate detailed **PDF reports** with a **360° image viewer** using **React.js**.

- ❖ **Skills:Express.js, Node.js, MongoDB, Postman**

REFERENCES

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