

IMASHI DISSANAYAKE

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SUMMARY

Information Technology undergraduate specializing in Data Science at SLIIT, with practical experience in data analysis, predictive modeling, visualization, and reporting. Skilled in Python, SQL, Power BI, Tableau, and Excel. Actively seeking an internship in Data Analytics, Business Analytics, or Analyst roles.

TECHNICAL SKILLS

- **Web Technologies:** HTML, CSS, React.js, Node.js, Android Development
- **Programming Languages:** Java, Kotlin, C++, Python, JavaScript, SQL
- **Tools & Platforms:** Git & GitHub, VS Code, Android Studio, Postman, Eclipse, Jupyter Notebook, RStudio
- **Databases:** MySQL, Firebase, MongoDB
- **Data Analytics & Visualization Tools:** Tableau, Power BI, Excel, Python libraries
- **Other Skills:** Problem-Solving, Debugging, Time Management, Communication, Agile (basics), Team Collaboration, Presentation Skills

PROJECTS

Agentic AI Fashion Trend Prediction & Social Media Analytics Platform

- Formulated a full-stack AI platform analyzing 10K+ social media posts to predict global fashion trends.
- Planned and executed a dedicated Fashion Agent to perform end-to-end trend analysis and predictive reporting.
- Built a Keypoints Agent to summarize complex trend reports into concise, user-friendly insights.
- Deployed an asynchronous workflow manager to coordinate agent interactions and generate real-time outputs.

RetailIQ – Retail Analytics & Sales Prediction Platform

- Developed an end-to-end retail sales forecasting system using LightGBM, achieving 85%+ prediction accuracy and helping stores optimize stock and reduce overstock by 20%.
- Built an automated data preprocessing pipeline that reduced data preparation time by 40% and improved model training efficiency.
- Performed customer segmentation with K-Means to generate actionable demographic and behavioral insights.

Supermarket Aisle Navigation System – MERN Stack Application

- Enforced an inventory management dashboard for a MERN-stack supermarket system.
- Built a React.js frontend with dynamic search and category filters, and integrated RESTful APIs with Node.js, Express.js, and MongoDB.
- Collaborated with a 5-member team to design and develop frontend and backend features, delivering project milestones as scheduled

Personal Finance Tracker (Cashora) – Android Studio (Kotlin)

- Created a mobile finance tracker, allowing users to monitor expenses and save up to 15% of their monthly budget.
 - Implemented category-wise tracking, transaction history, and persistent storage using SharedPreferences.

EDUCATION

BSc (Hons) in Information Technology Specialization in Data Science - SLIIT June 2023 - Present
Specialization in Data Science | GPA:3.4

ICT Skills Training Program **March 2023 - July 2023**
Information Technology Center, University of Peradeniya

Hillwood College, Kandy **January 2009 - January 2023**
G.C.E. A/L (2022) - Science Stream

EXTRA CURRICULAR ACTIVITIES & ACHIEVEMENTS

- Senior School Prefect - Hillwood College (2021-2022)
 - Junior School Prefect (2020-2021)
 - Primary School Prefect (2013)

Other Achievements

- Participant in Global Science Opera - Ecosystem Restoration (2021)
 - Finalist (Ranked 14th) among Top 25 participants in SLIITXtream 4.0, IEEEXtreme Hackathon 2025
 - AWS SimuLearn - Cloud Practitioner Amazon Web Services (AWS).

REFERENCES

Dr. Janaka Alawatugoda
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