

THITHIRA MALSEN

UNDERGRADUATE, BSC (HONS) IN INFORMATION TECHNOLOGY
(SPECIALIZATION IN DATA SCIENCE)

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SUMMARY

Third-year Data Science undergraduate with hands-on experience in AI, machine learning, and backend development and Full-Stack Development. Skilled in Python, FastAPI, and AI APIs, with a strong foundation on building, testing, validating, and improving intelligent systems that blend data, language, and automation.

EDUCATION

BSc (Hons) in IT Specializing in Data Science Undergraduate

Jun 2023- Present

- Sri Lanka Institute of Information Technology (SLIIT Malabe, Sri Lanka)
- current GPA : 3.56

AI /ML Engineer Course

2025- present

- SLIIT (Malabe, Sri Lanka)

G.C.E. A/L

2019- 2020

- R/Sivali Central College - Hidellana
- Biological science stream

PROJECTS

Song Popularity Prediction | Data Mining Project | [LINK](#)

- (Project Leader & Manager)

Technologies: Python, Scikit-learn, Pandas, Matplotlib, TensorFlow, NumPy

- Developed a machine learning model to predict whether a song would become a "hit" or "non-hit" based on Spotify audio features.
- Performed data preprocessing including feature scaling, encoding, and outlier detection.
- Implemented and compared multiple ML models: Logistic Regression, Random Forest Classifier, K-Nearest Neighbors (KNN), Neural Network (ANN).
- Evaluated models using accuracy, precision, recall, and ROC-AUC scores.

MinuteMe - AI Meeting Assistant | [LINK](#)

- (Project Leader & Manager)

Technologies: Python, Scikit-learn, Pandas, Matplotlib, TensorFlow, NumPy, MERN

- Developed an AI-powered meeting assistant capable of transcription, summarization, and minutes generation using FastAPI, Python, and OpenAI APIs. Implemented modular agents and database integration to automate meeting documentation efficiently.
- Developed agents - Agenda planner, Transcription agent, Minutes generator, Action item tracker

Anyhire.lk – Web Application | [LINK](#)

- **(Project Leader & Manager)**

Tech Stack: MERN (MongoDB, Express.js, React.js, Node.js)

- A job-finding platform that connects part-time job seekers with customers based on location and job category. Includes worker profiles, admin-approved job posts, and real-time job status tracking.

ExpressSeat – Bus Ticket Reservation System | [LINK](#)

- **(Project Leader & Manager)**

Tech Stack: Java, Servlets, MySQL

- A secure, user-friendly web application for reserving bus tickets. Features seat selection, schedule management, and admin/user interfaces.

SmartBudget - Finance Tracker App [LINK](#)

- **(Project Leader & Manager)**

Tech Stack: Android Studio, Kotlin, Java

- Developed a responsive Android application that helps users efficiently track income and expenses and manage personal budgets.
- Data persistence using SQLite.

EXTRACURRICULAR ACTIVITIES

- **Musician, Songwriter, Lyricist, Music Producer & Sound Designer**

Bilingual lyricist and singer with 3+ years of experience writing, composing and producing music in both English and Sinhala.

Produced, mixed & mastered multiple tracks using FL Studio; experienced with sound design and arrangement.

- **Video Editor, Colorist & Motion Designer**

Skilled in DaVinci Resolve, Adobe After Effects, and Premiere Pro.

- **3D Artist & Animator**

Created 3D assets and cinematic scenes in Unreal Engine and Blender.

SKILLS SUMMARY

- **Programming :** Python, R, Java, Kotlin, SQL, JavaScript, C/C++, HTML, CSS
- **Frameworks & Libraries :** TensorFlow, Scikit-learn, PyTesseract, OpenCV, FastAPI, MERN Stack
- **Tools & Technologies :** Android Studio, Eclipse, VS Code, RStudio, Postman, Figma, MS Word/Excel
- **AI & LLM Tools :** Gemini API, OpenAI API, Prompt Engineering, FastAPI, Semantic Search (basic)
- **Cloud :** AWS & Azure (hands-on labs via Skill Builder and Microsoft Learn)
- **Soft Skills :** Leadership, Communication, Teamwork, Adaptability, Time Management, Problem-Solving, Creativity

REFERENCES

Chathurya Kumarapperuma

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