

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
<ul style="list-style-type: none">Sri Lanka Institute of Information Technology (SLIIT Malabe, Sri Lanka)current GPA : 3.56	
AI /ML Engineer Course	2025- present
<ul style="list-style-type: none">SLIIT (Malabe, Sri Lanka)	
G.C.E. A/L	2019- 2020
<ul style="list-style-type: none">R/Sivali Central College - HidellanaBiological 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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