

M. A. Malith Damsara

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🐙 GitHub

About Me

I am a Computer Science undergraduate at the University of Colombo School of Computing (UCSC) with a strong interest in Data Science, Full-Stack Software Engineering, and Machine Learning. I enjoy working across the entire development from designing secure and scalable backends to building user-friendly frontends. My experience spans web, mobile, and machine learning projects, where I focus on creating clean, efficient, and impactful solutions.

Education

University of Colombo School of Computing (UCSC) - Colombo, Sri Lanka	2022 - Present
Bachelor of Science in Computer Science	
IMBS Green Campus - Gampaha, Sri Lanka	2025 - Present
Diploma in Human Resource Management	
Piliyandala Central College	GCE A/L
• Physics: A Combined Mathematics: B Chemistry: B	
Piliyandala Central College	GCE O/L

Technical Skills

Programming Languages: C, C++, Python, JavaScript, TypeScript, PHP, Scala, R, Dart, MATLAB/Octave
Web Technologies: React, Node.js, Express.js, HTML5, CSS3, Tailwind CSS, RESTful APIs, JWT, Cloudinary
Databases: MySQL, PostgreSQL, MongoDB, NeonDB, SQLite, Firebase (Firestore)
Machine Learning & Data Science: Numpy, Pandas, Scikit-learn, Matplotlib
Tools & Platforms: Git, GitHub, Firebase, Vercel, LankaHost, Postman
Mobile Development: Flutter, React Native
Design & Development Tools: Figma, Visual Studio Code, Android Studio, IntelliJ IDEA


Soft Skills

Leadership & Teamwork: Experience as Junior Treasurer, Sports & Recreation Director, and Vice President in student organizations. Skilled in managing teams
Communication: Strong presentation and public speaking skills developed through debating, society leadership
Problem-Solving & Critical Thinking: Achieved success in astronomy quizzes, chemistry competitions
Event Management & Organization
Adaptability & Creativity



Projects

Serandip Clothing E-commerce Platform MERN Stack, Cloudinary, JWT	Completed - 2025
<ul style="list-style-type: none">Developed a full-scale e-commerce platform single-handedly, taking charge of the entire user journey from account creation and product discovery to a secure, integrated payment checkoutBuilt a comprehensive admin dashboard for managing sellers, listings, orders, and for visualizing sales analyticsImplemented JWT-based authentication with encryption and integrated Cloudinary for image storageLinks: Live Demo GitHub	


Miracle Lighting Services Website React.js, Vercel, LankaHost	Completed - 2024
<ul style="list-style-type: none"> Developed a professional website for decorative lighting services for weddings, Kathina festivals, Christmas parties, and birthday parties Implemented fully responsive modern UI/UX design with custom domain deployment Created complementary link-in-bio page with QR code access capability Links: Live Website Link-in-Bio Page GitHub (Web) GitHub (Link-in-Bio) Figma Design 	
Real-time Group Chat Application MERN Stack, Socket.io, Cloudinary	Completed - 2025
<ul style="list-style-type: none"> Developed real-time messaging application with community group chat functionality Implemented JWT encryption for securing messages and passwords Integrated Cloudinary for storing and sharing profile pictures and chat images Created mobile-responsive design with user authentication and image sharing capabilities Links: Live Demo GitHub 	
Real-time Chat Application (Mobile) React Native, Firebase, SQLite	Completed - 2025
<ul style="list-style-type: none"> Developed mobile chat application with QR code scanning for instant peer-to-peer chat initiation Implemented real-time messaging functionality across both iOS and Android platforms using Firebase Firestore Integrated Firebase Authentication for secure user registration and login Utilized SQLite for local data persistence and offline message synchronization Links: GitHub 	
Sameepa - Localized Social Connectivity Platform HTML, CSS, JavaScript, PHP, MySQL	Completed - 2024
<ul style="list-style-type: none"> Developed a community-driven platform to connect residents, businesses, and local public organizations Built comprehensive modules including product/service marketplace, job center, event management, and community forums Implemented user interaction features such as messaging, ratings, reviews, and profile management Designed admin and super admin dashboards for platform management, security, and content moderation Ensured quality attributes including usability, availability, performance optimization, and secure authentication Link: GitHub 	
LittleSteps - Daycare Management System ReactJS, React Native, Node.js, PostgreSQL, Figma, GitHub	2025
<ul style="list-style-type: none"> Developed a secure, professional, and user-friendly daycare management system to enhance childcare efficiency and parent-caregiver communication Designed responsive web and mobile applications for parents, teachers, supervisors, and administrators Implemented key modules: child registration, attendance tracking, caregiver daily logs (meals, naps, learning, health), and parent notifications Built admin panel for managing staff, enrolled children and reports Ensured data security with JWT-based authentication, Firebase Auth, role-based access, and compliance with data protection standards Applied feasibility analysis (technical, operational, scheduling, economic, legal/ethical) to validate scalability and sustainability Link: GitHub 	
Sri Lanka Travel Platform React, Node.js, Express, React Native, PostgreSQL	2025
<ul style="list-style-type: none"> Developing comprehensive travel platform with 2 mobile apps and 2 web applications connecting tourists, hotels, guides, and vehicle services Implementing location-based services for discovering beautiful destinations and estimating tour costs Creating booking system for hotels, guided tours, and vehicles (with or without drivers) using PostgreSQL for relational data management Building itinerary planning functionality to coordinate multi-location tours with complex data relationships 	

- Utilizing Firebase Authentication for secure user authentication across all platforms
- Implementing PGAdmin for database management and monitoring of PostgreSQL instances
- **Links:** [GitHub](#) 


Fresh & Artificial Flower E-commerce Platform | MERN Stack, Cloudinary, JWT 2025

- Building a full-stack e-commerce platform specializing in flower bouquets and graduation bears
- Implementing complete shopping functionality with user authentication, product catalog, and payment processing
- **Status:** ~80% frontend, ~70% backend complete
- Implemented JWT-based authentication with encryption and integrated Cloudinary for image storage
- **Links:** [Live Demo](#)  | [GitHub](#)  |

MediMap App | Flutter, Firebase 2025

- Developing a healthcare application for finding pharmacies with specific medicine stock availability and booking doctor appointments
- Currently implementing Firebase Firestore backend for real-time data and Firebase Authentication for secure user management
- Planning digital prescription system for doctors to send prescriptions directly to patients
- Architecture designed to utilize Firebase Cloud Storage for documents and Firebase Realtime Database for inventory updates
- **Status:** ~60% frontend complete
- **Links:** [GitHub](#) 

Iris Flower Classification Model | Python, Scikit-learn, Pandas 2025

- Built a machine learning model to classify iris flowers into species based on petal and sepal measurements
- Implemented multiple algorithms: Logistic Regression, KNN, Naive Bayes, Decision Trees, Random Forests, and SVM
- **Link:** [GitHub Repo](#) 

Leadership

Colombo Beacon Club, University of Colombo - Junior Treasurer	2025/2026
Colombo Beacon Club, University of Colombo - Middle Board Director, Sports & Recreation	2024/2025
Andromeda Astronomical Society, Piliyandala Central College - Vice President	2019/2020

Achievements & Certifications

- AWS Educate Introduction to Cloud 101 - Amazon Web Services Training and Certification (2024)
- National Certificate in Computer Graphic Design (NVQ Level 4) - Vocational Training Authority of Sri Lanka (2023)
- Junior Treasurer Appointment (2025/2026) - Colombo Beacon Club, University of Colombo
- Certificate of Appreciation as Top Board/Middle Board Director - Department of Sports and Recreations, Colombo Beacon (2024/2025)
- Merit Award, Sri Lankan Astronomy and Astrophysics Olympiad Competition (2019) — Institute of Physics, Sri Lanka
- Certificate of Credit, Australian National Chemistry Quiz (ANCQ) - Senior Division, Year 11 (2019)
- Member of Champion Team in "Cascading towards a greener future" Debating Competition - Young Zoologists' Association of Sri Lanka (2023)