MATHURAKSHI MAHENDRARAJAH

Computer Engineering Undergraduate | Passionate About AI/ML

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PROFILE SUMMARY

Passionate Computer Engineering undergraduate with a strong academic record and a deep interest in AI/ML. Skilled in problem solving, software development, and building web/mobile applications. Eager to apply technical knowledge to develop intelligent, data-driven solutions for real-world challenges.

EDUCATION

- **Undergraduate** **2023 - Present**
  B.Sc.(Hons)in Engineering- Computer Engineering
  University of Sri Jayewardenepura
  CGPA -3.87 (Up to 4th semester)

- **GCE Advanced Level** **2019 - 2021**
  Bt/Vivekananda Ladies Collage
  Combined Mathematics- A │ Physics- A │ Chemistry- A
  Z-Score - 1.98

- **GCE Ordinary Level** **2018**
  Bt/Vivekananda Ladies Collage
  Result - 8A,B

PROJECTS

- **Cookify - Smart Recipe Finder App**

  Cross-platform app for personalized recipe search and meal planning. Integrated API for ingredient-based search, Firebase for user data, and features like meal planner, shopping list, and chat. Deployed and tested on multiple devices.

  Technologies: Flutter, Firebase, Spoonacular API

- **DustBin - Smart Dustbin Monitoring System (Ongoing)**

  Developing a real-time dustbin monitoring system using sensors and GPS to reduce unnecessary waste collection trips. Built hardware prototype and web dashboard with live bin status and map. Achieved >85% optimization potential.

  Technologies: NodeMCU, Ultrasonis Sensor, GPS, Firebase, HTML, CSS, JavaScript

- **HelpNow - Emergency Support App (Ongoing)**

  Mobile app for connecting users in emergencies with NGOs/volunteers. Built role-based login, emergency reporting, and UI flows. Currently integrating AWS backend services and real-time communication features.

  Technologies: Flutter,Dart, AWS Cloud

SKILLS

Programming Languages	Python, C++, Java, HTML, CSS, JavaScript, SQL
Frameworks & Tools	Flutter, Git, Firebase, AWS Cloud, Visual Studio Code
Libraries & Technologies	NumPy, Pandas, Matplotlib
Soft Skills	Problem Solving, Team Collaboration, Fast learner, Adaptability
languages	Tamil(Native), English(Fluent), Sinhala(Understandable)

ACHIEVEMENTS

- **Dean's List (All Semesters)** – Maintained First Class GPA (3.87/4.00) consistently until 4th semester
- **Winner – Idea Pulse 2025** – Secured 1st place in university-level innovation challenge
- **Top 5 Finalist – CodeQuest 2024** – Ranked among the top 5 in a competitive coding challenge

HOBBY & INTEREST

- **Tech Blog Writing –** Share insights on what I'm learning in AI/ML, software development, and emerging technologies through personal blog posts

REFERENCES

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