THILINA CHANDRASEKARA

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Linkedin profile

My web application

EDUCATION

2022- 2026
(4th year-semester 1 / undergraduate)

BSC (hons) electronics & information technology in University of colombo

2017 - 2020

Dharmaraja college kandy

SKILLS

- Machine learning
- Mobile application development
- Web development
- Statical skills
- Electronics and automation
- Critical Thinking
- Leadership

PROGTRAMMING LANGUAGES

- Python – Machine Learning, Data Analysis, Scripting
- C / C++ – Embedded Systems, Microcontroller Programming (ATmega, Arduino)
- Java – Android Development (Android Studio)
- JavaScript – Web Development, React Native
- HTML / CSS – Front-end Web Development
- PHP – Backend Web Development
- SQL – Database Queries and Integration

PROFILE

A passionate and versatile developer with a BSc (Hons) in Electronics and Information Technology, I specialize in mobile application development for both iOS and Android, as well as web development, machine learning model training, and robotics and automation. With a strong foundation in electronics and embedded systems, I enjoy building intelligent, real-world solutions that bridge hardware and software. I thrive on innovation, problem-solving, and delivering impactful tech-driven projects.

PROJECTS

- **WORKWAY – SMART JOB FINDING APP (INDIVIDUAL)**
  BUILT AN ANDROID JOB PORTAL WITH SMART MATCHING, FIREBASE INTEGRATION, AND RESUME/APP TRACKING.
- **LAB INVENTORY MANAGEMENT SYSTEM (GROUP)**
  DEVELOPED REACT NATIVE AND WEB-BASED SYSTEM WITH REAL-TIME TRACKING, LOW-STOCK ALERTS, AND CLOUD SYNC.
- **URBAN DELIVERY BOT (GROUP)**
  DESIGNED SEMI-AUTONOMOUS DELIVERY ROBOT USING RASPBERRY PI, ARDUINO, AND IOT WITH GPS AND REMOTE CONTROL.
- **LOAN MANAGEMENT SYSTEM WITH ML (GROUP)**
  IMPLEMENTED SVM MODEL FOR LOAN RISK PREDICTION WITH PREPROCESSING, TUNING, AND AUTOMATED DECISION-MAKING.
- **SIMON GAME USING ATMEGA328P (INDIVIDUAL)**
  CREATED MEMORY GAME WITH LCD, LEDS, BUTTONS, BUZZER, AND EEPROM. INCLUDED LEVEL SELECTION AND HIGH SCORE TRACKING.
- **KARATEAI – WEARABLE STRIKE DETECTION (GROUP)**
  BUILT AI-POWERED GLOVE WITH ARDUINO NANO 33 BLE SENSE, EDGE IMPULSE ML, AND BLUETOOTH WEB API TO CLASSIFY KARATE STRIKES IN REAL TIME WITH INSTANT BROWSER FEEDBACK.
- **GESTURE-CONTROLLED SMART FAN (INDIVIDUAL)**
  BUILT PORTABLE FAN WITH SEEED XIAO + NANO 33 BLE, USING ML-TRAINED MOTION GESTURES FOR WIRELESS CONTROL OF FAN SPEED, POWER, AND LIGHTS.

REFERENCE

Prof. Hiran H E Jayaweera
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