

KAVINDA DESHAN

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🔗 tkdeshan.github.io/portfolio

PROFILE

A creative thinker who is organized, confident, and fulfilled by sharing my knowledge with others, with a BSc degree (pending results) and a diverse skill set software, web, and embedded system design. Ability to quickly learn new things and adapt to emerging technologies. Passion for design innovative products by utilizing my knowledge in Electronic and Programming to solve real-world problems.

SELECTED PROJECTS

Computer Controlled Power Supply

Electronic Research Project

📅 September 2022 – April 2023

- A low-cost, computer-controlled power supply with GUI capable of providing variable voltages, measuring resistor values and plotting I-V curves.

Python Facial Recognition Attendance System

Self Learning Project

📅 1 day

- Automates attendance tracking using facial recognition. It detects and matches faces with a database and recorded attendance. Allow new employee information to be added.

Tea Factory Management System

Evaluation Project

📅 June 2023 – July 2023

- Tea factory management desktop application with CRUD operations for customer details, tea transactions, and monthly bill generating.

TkD Auto Website

Self Learning Project

📅 April 2023 – May 2023

- MERN CRUD Responsive website with functions including signup, login, updating account details, browsing items, managing shopping cart, viewing order history, accessing order details, and more.

Python Weather Report App

Self Learning Project

📅 1 day

- Fetches real-time weather data using weather APIs and displays temperature, humidity, wind speed, and weather description for a specified location.

[More Projects? Click Here to view the portfolio](#)

SKILLS

- Python
- Java
- C , C++, C#
- HTML, CSS, JavaScript, PHP
- ReactJs, Node.js
- My SQL, MongoDB
- Git, Github
- Embedded System
- IoT
- PCB design

EDUCATION

BSc in Physical Science

Subjects : Electronic | Computer Studies | Physics

**Department of Physical Science,
University of Kelaniya**

📅 March 2020 – July 2023

GCE A/L s

Subjects : Mathematics | Chemistry | Physics

St. Aloysius' College, Galle

📅 Year 2018

COURSES

Full Stack Developer (Ongoing)

University of Moratuwa

Microcontroller-Based System Design

University of Moratuwa

Makerspace Program

American Center Colombo

Arduino Codecamp

Institute of Innovators

VOLUNTEER WORK

Instructor

Inventors Society - G/Dutugemunu National School

📅 December 2021 – Present

- Organized several workshops to provide training and guidance on the utilization of Embedded Systems for the development of innovative products.
 - Authored a book specifically addressing the basic knowledge of this subject matter for the school library.
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REFEREES

Prof. W M Janaka I Wijayanayake

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✉ Professor,
Department of Industrial Management,
Faculty of Science,
University of Kelaniya.
071-9742124

Mr. P P G Dinesh Asanka

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✉ Senior Lecturer,
Department of Industrial Management,
Faculty of Science,
University of Kelaniya.
077-7777882

INTERESTS

- Software Design
 - Web Design
 - Innovative Product Design
 - Embedded Systems
 - IoT
 - Robotics
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LANGUAGES

- Sinhala
 - English
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