

MELINDA MARY MELCHIZEDEK

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EDUCATION

Integrated Master of Computer Applications

SCMS School of Technology and Management, Kochi, India

August 2018 – August 2023

- CGPA: 8.81/10.00
 - Ranked 1st in M.G. University IMCA Examination
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PROJECTS

Carbon Footprint Web Application

May 2023 – July 2023

Developed a web application to empower organizations to calculate and mitigate their carbon footprint across multiple categories including water, electricity, transportation, fuel, etc., and offer actionable insights to drive sustainability initiatives.

- Developed using React.js, Node.js and Express.js.
- Utilized MySQL database for data storage and retrieval.
- Created RESTful APIs to facilitate seamless communication between the front-end and back-end.
- Integrated secure payment gateway to facilitate seamless online transactions (Stripe), and CKEditor for blog content management.

Timetable Management System for College

August 2022 – November 2022

Collaborated with a team member to implement an automated system for the college, to generate a timetable for each semester of a given program.

- Developed in PHP using MySQL database.
- Took charge of the UI design and led the creation of the foundational algorithm for the project.

Tailoring Shop Management System

April 2021 – June 2021

Developed a web application to automate tailoring shop activities to provide better management of customer records and online services to the users.

- Developed using React.js, Node.js and Express.js
 - Utilized MySQL database and integrated RESTful APIs.
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TECHNICAL SKILLS

Languages:

- Java, C#, C++, SQL

Front-end:

- HTML5, CSS3, Bootstrap, Figma
- React.js:
 - Developed responsive and interactive user interfaces with reusable components and React component library such as Material-UI.
 - Experienced in using React Hooks (useState, useEffect, useContext) in functional components and to conditionally render components.
 - Client-side routing using React Router.
 - Skilled in making asynchronous HTTP requests using Axios.

Back-end:

- Node.js, Express.js, MySQL database
- RESTful APIs for data exchange.

Version control with Git for collaborative development

CERTIFICATIONS

Build Wireframes and Low-Fidelity Prototypes – Coursera | Google

October 2023 – November 2023

Start the UX Design Process: Empathize, Define, and Ideate – Coursera | Google

September 2023 – October 2023

Foundations of UX Design – Coursera | Google

October 2022 – November 2022

The Joy of Computing using Python – NPTEL Online Certification (Elite)

September 2020 – December 2020

OTHER ACTIVITIES

Consolation Prize in Intra SCMS Virtual Hackathon – TECHHACKZ'21

- Led ideation, design, and presentation in a collaborative three-member team.

Emcee – International Conference on Cyber Security and Ethical Hacking in Blockchain Technology (ICCSEHBT 2021)

Student Coordinator – Articulate Better Club, 2021