

Sandhiya E K

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OBJECTIVE

Passionate and detail-oriented Front End Developer with expertise in building responsive web applications using modern JavaScript frameworks such as React. Adept at translating UX designs into high-quality, user-friendly interfaces with a strong focus on performance, scalability, and maintainability. Seeking an opportunity to leverage my front-end development skills in a dynamic and collaborative environment.

EDUCATION

B.E. Electronics and Communication Engineering, Kanchipuram BE (Bachelor of Engineering) Electronics and Communication Engineering (ECE) (9.04 CGPA)	2020 – 2024
Government Higher Secondary School, Narthampoondi, Tiruvannamalai Higher Secondary of Certificate (78.0%)	2018 - 2020
Government Higher Secondary School, Narthampoondi, Tiruvannamalai Secondary School of Certificate (87.2%)	2016 - 2018

SKILLS

Languages : C, C++, Python

Front-End Development: HTML5, CSS3(SASS), Bootstrap, JavaScript (ES6+), TypeScript, Cross-Browser Compatibility & Optimization

Frameworks & Libraries: React.js, Bootstrap, AJAX, jQuery, FAST API, FLASK

UI/UX & Design Tools: Figma, Responsive Web Design

Version Control & DevOps : GitHub, Git, GitHub actions, Docker, AWS, Linux

Database : SQLite, MS SQL Server, MySQL, MongoDB, Firebase

Debugging & Testing Tools: Postman, Swagger, Unit Testing

Soft Skills: Problem-Solving, Team Collaboration, Adaptability, Code Reviews, Scalability Optimization

PROJECTS

Internal Organs Explorer

A responsive and interactive 3D platform showcasing human internal organs.

- Implemented 3D visualization using Three.js and WebGL.
- Ensured smooth animations and user interactions using Model-Viewer.
- Developed an engaging and educational user experience.

Technologies used: Three.js, WebGL, Model-Viewer **Link:** internalorgans.netlify.app

E-Commerce Website

A fully functional e-commerce website with a shopping cart and user authentication.

- Built a modern and responsive front-end using React.
- Implemented dynamic UI interactions and seamless navigation.
- Integrated user authentication and product management.

Technologies used: React, CSS, JavaScript **Link:** ek-commerce.netlify.app

Time Tracker Application

A robust project management tool built with React and Firebase.

- Developed a time-tracking dashboard for task management.
- Used Firebase for real-time data storage and authentication.
- Designed a visually appealing and intuitive user interface.

Technologies used: React, Firebase, Tailwind CSS **Link:** ek-time-tracker.netlify.app

Kinderly

A modern and responsive website for a children's learning center.

- Designed a vibrant and engaging UI tailored for children.
- Ensured cross-browser compatibility and smooth performance.

Technologies used: HTML, CSS, JavaScript **Link:** sandhiyaek.me/kinderly

Skola

A comprehensive educational platform with various courses and resources.

- Developed a structured and user-friendly interface for students.
- Optimized for accessibility and performance.

Technologies used: HTML, CSS, JavaScript **Link:** sandhiyaek.me/skola

CERTIFICATES

- SQL – Hackerrank
- JavaScript – Hackerrank
- C Certificate - Great Learning
- C++ Certificate - Great Learning
- HTML Certificate - Great Learning

ACHIEVEMENTS

- CodeChef Bronze Badge: Problem Solving.
- Participated in CodeChef Long-Term and Monthly Challenges.
- Solved 100+ coding problems to enhance analytical and logical skills.

DECLARATION

I hereby declare the above written particulars are true of the best of my knowledge and belief