HARIKRISHNAN K R

⦿ Ernakulam, Kerala, India ✉ harikrishnankrkv@gmail.com ☐ (+91)8547806825

SUMMARY

Aspiring Software Engineer with hands-on experience in full-stack development through academic projects, specializing in the MERN stack (MongoDB, Express.js, React, Node.js). Built applications such as a trading platform (Zerodha Clone), accommodation booking system (Wanderlust), and task management app with secure JWT authentication and RESTful APIs. Skilled in React, Redux, and UI frameworks (Bootstrap, Tailwind, Material-UI) for creating responsive and interactive user interfaces. Strong foundation in API design, database management (MongoDB, MySQL, MariaDB), and containerization with Docker. Enthusiastic about problem-solving, debugging, and delivering scalable web solutions, with a passion for continuous learning and innovation in software engineering.

PROJECT

Todo App Task Management Application

August 2025 - August 2025
· MERN-based task management app with JWT authentication.
· CRUD operations for tasks with real-time updates.
· Modular frontend with reusable components.
· Secure RESTful APIs and token-based authorization.

Zerodha Clone - Trading Platform

July 2025 - July 2025
· MERN-based trading platform with real-time portfolio management and watchlists.
· JWT authentication, REST APIs for holdings, orders, and positions.
· Interactive UI with charts and graphs for portfolio insights.
· Responsive dashboard and landing page for product showcase.

Weather AppReal-Time Weather Application

June 2025 - June 2025
· React & Material-UI app showing real-time weather using OpenWeatherMap API.
· Dynamic UI themes based on weather conditions.
· React Hooks for state management and Vite for optimized builds.
· Error handling and API key protection best practices.

Wanderlust — Full-Stack MERN Application

May 2025 - June 2025
· Full-stack MERN application inspired by Airbnb for booking accommodations.
· Implemented user authentication (Passport.js), CRUD for listings, reviews, and image uploads.
· Integrated Mapbox for location visualization and Cloudinary for image storage.
· Applied RESTful APIs, MVC pattern, and server/client-side validation with Joi.

EDUCATION

B-Tech Computer Science

CUSAT · Kalamassery, Ernakulam, Kochi · 2023-2027

XII (CBSE)

Gregorian Public School · Maradu, Ernakulam · 2022-2023

INVOLVEMENT

Member

TinkerHub · September 2023 - August 2025
· A community that promotes peer learning and innovation through tech projects, hackathons, and skill-sharing.

SKILLS

Programming Languages: Python, JavaScript, Java, C, C++, HTML, CSS

Frameworks & Libraries: React, Redux, Node.js, Express.js, Bootstrap, Tailwind, JWT, Passport.js

Databases: MySQL, MongoDB, MariaDB

Tools & Technologies: Docker, Git, Postman, RESTful APIs, Joi Validation, Chart Libraries,Cloudinary

Core Strengths: Problem Solving, API Design and Integration, Debugging, Full-Stack Development,Responsive UI/UX Development, Authentication and Authorization(JWT, Passport.js)