

Lokeshwaran Kannan

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EDUCATION

KGISL INSTITUTE OF TECHNOLOGY

B.E COMPUTER SCIENCE AND ENGINEERING

Coimbatore, Tamil Nadu

CGPA : 7.32

EXPERIENCE

KGXPERIENCE | STUDENT MENTOR

Sep 2022 – Jan 2024 | Coimbatore, Tamil Nadu

- Designed and Constructed responsive web application using **React, Express, Node.js and MongoDB**, improve performance by 30%
- Optimized server response times by **5-10x** by transitioning **RESTful** APIs from **Flask** to **FastAPI**.
- Led a team to create an intuitive user-facing website for **MVC** projects, increasing customer engagement by **25%**.

PROJECTS

PROMPT-BASED IMAGE GENERATION | REACT.JS, NODE.JS,

OPENAI API, TAILWIND CSS, EXPRESS.JS, MONGODB

Jul 2024

- Developed a web application inspired by **DALL-E**, leveraging **MERN stack**, integrating the **OpenAI API** to generate **1000+** images per month.
- Enabled efficient data handling by implementing **MongoDB** to manage user-generated data, processing **5,000+** requests.

GUEST ROOM APPLICATION | REACT, REDUX, TAILWIND CSS

NODE.JS, EXPRESS, MONGODB,

Feb 2025

- Spearheaded the development of a user-facing website for the **MVC** using **React**, resulting in a **50%** decrease in page load times
- Created a system to convert **Traditional Room Booking** to **Non SQL Databases** improving the **efficiency** by **31%**
- Utilized **Redux** for **state management**, optimizing data flow and ensuring consistent application state across **20+** components, improving app **performance** and **scalability**.

WEB 3.0 ETHEREUM TOKEN EXCHANGE PLATFORM | REACT,

TAILWIND CSS, NODE.JS, ETHER.JS, WEB3.JS MONGODB,

Nov 2024

- Created a **decentralized platform** for seamless Ethereum token exchanges, supporting over **10,000+** transactions per month.
- Enables decentralized **peer-to-peer** token exchanges, ensuring secure and transparent transactions through the implementation of **smart contracts**.

GOOGLE CALENDER CLONE | JAVASCRIPT, HTML, CSS

Sep 2024

- Designed a **sophisticated calendar** application inspired by Google Calendar.
- Integrated local storage functionality using JavaScript's **localStorage API**, enabling seamless offline access and improving **load times** by **30%**.
- Integrated robust **date and time** handling functionalities, **recurring events**, and reminders, to enhance user productivity by **40%** and organization.

SKILLS

PROGRAMMING

Languages :

- C • Javascript • Python
- C++ • HTML • CSS • SCSS
- Java • Solidity

Framework :

- React.JS • Tailwind CSS • Node.js
- Express • MySQL • Flask • MongoDB
- Ether.js • Web3.js • Bootstrap

VCS & BUILD TOOLS

- Git • Figma • Postman

LANGUAGE

- English • Tamil

ACHIEVEMENT

- 2023** 2nd Web Designing
- 2023** 3rd CSI Sponsored Hackathon
- 2023** 3rd Prototype Presentation
- 2022** 1st Paper Presentation

ADDITIONAL SKILLS

- Solved **175+** problems in leetcode
- Solved **100+** problems in hackerrank
- Contributed to **Open source projects**
- Student Mentor** at KGX
- Completed **3+** **Freelance Projects**
- Data Structures and Algorithms**

SOFT SKILLS

- Problem Solving
- Dynamic Leadership
- Cognitive Flexibility
- Resilience
- Crisis Management
- Adaptability
- Learning Agility

CERTIFICATION

UDEMY

- Complete DApp - React & Solidity - Blockchain Development

HARVARD UNIVERSITY

- CS50's Introduction to Programming with Python

COURSERA

- Web development with Javascript, HTML, CSS

FREECODECAMP

- Front end Development libraries