Mohamed
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FULL STACK DEVELOPER

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🖥 Portfolio

📍 Calicut, Kerala

EDUCATION

MERN Stack Development
Brototype
2022 - Present

BSc Computer Science
University of Calicut
2019 - 2022

SKILLS

FRONTEND

- JavaScript
- React
- HTML
- CSS
- SCSS
- Material UI
- Redux
- Bootstrap

ABOUT ME

Self-taught MERN stack developer having experience in developing both frontend and backend applications. Expertise in a variety of technologies like **React, Express.js, Node.js,** and **MongoDB** with a strong ability to learn and adapt quickly

PROJECTS

DocOnline - Hospital Booking System   (Source Code)

- Designed and developed a progressive web application in **Node.js** and **React** which facilitates the management of appointments and bookings within a hospital or healthcare facility.
- Implemented Google authentication using the **OAuth 2.0** library
- Developed the Appointment Scheduling module, enabling patients to book appointments with doctors based on availability
- Implemented the Doctor Management module, providing hospitals the ability to update doctor's availability, working hours and administrators the ability to manage doctor profiles
- Implemented a reminder notification system using the **node-cron** library
- Implemented a user-friendly chat interface using the **Socket.IO** library. allowing patients to initiate conversations, discuss medical concerns, and seek clarifications.
- Used **Redux** library for global state management.
- Integrated payment gateway using **Razorpay**
- Technologies used: **Node.js, MongoDB, Express.js, Redux, React, Socket.IO, Razorpay, JWT, Cloudinary, Nodemailer, node-cron, Multer, Git, AWS, OAuth 2.0**
- Live Preview : **DocOnline**

CartGenie - E-commerce Application   (Source Code)

- Designed and developed a comprehensive e-commerce application for gadgets using **EJS** and **Node.js**, providing a seamless online shopping experience for customers.
- Integrated product catalogs, allowing customers to easily browse and search for gadgets based on various parameters such as category, and price range.
- Implemented secure payment gateways using **Cashfree API**, ensuring safe and reliable online transactions for customers.
- Developed inventory management systems to track and update product availability in real-time, preventing overselling and ensuring accurate stock levels.
- Technologies used: **Node.js, MongoDB, Express.js, EJS, MVC Architecture, Cashfree, Cloudinary, Git, AWS EC2, AWS Route 53, NGINX, Certbot, PM2, MongoDB Atlas**
- Live Preview : **CartGenie**

- Context API
- MDBootstrap

BACKEND

- Node.js
- Express.js
- Firebase
- MongoDB
- REST API
- Socket.IO
- JWT

INTEGRATIONS

- Razorpay
- Nodemailer
- Cloudinary
- Cashfree
- Multer
- OAuth 2.0
- Firebase Authentication

DEV TOOLS

- Git
- GitHub
- AWS
- MongoDB Atlas
- Heroku
- Firebase Hosting
- Netlify
- Railway
- Render
- Insomnia API

FAMILIAR

- Data Structure
- MySQL
- NGINX
- Postman
- Figma

MarkMe - Internal Mark Uploader   (Source Code)

- Designed and developed a progressive web application in **React** and **Firebase** to streamline the process of uploading and managing internal marks for an educational institution.
- User Authentication: Implemented user authentication functionality using **Firebase Authentication** to ensure secure access to the system.
- Course Management: Allow admin to manage courses or subjects. They can add new courses, and specify the course name, code, and related information.
- Student Management: Provide features for managing student information, including adding students to courses and assigning unique identifiers or roll numbers to each student.
- Used **Context API** for global state management.
- Enable teachers to manage internal marks for individual students or in bulk for an entire course.
- Data Export: Allow users to export mark data in various formats, such as PDF or Excel, for further analysis or reporting purposes.
- Technologies used: **React, Firebase Auth, Firebase Firestore, Git and Firebase Hosting**
- Live Preview: **MarkMe**

MINI PROJECTS

Expense Tracker   (Source Code)

- This project aims to provide a progressive web application that allows users to track their expenses and manage their finances effectively.
- Users will be able to record their income and expenses, categorize transactions, set budgets, and generate visual reports to gain insights into their spending habits.
- Technologies Used: **React, MongoDB, Express.js, Node.js, Apex chart, JWT, MongoDB Atlas, Netlify, Heroku, Render**
- Live Preview: **Expense Tracker**

PassGen - Password Generator   (Source Code)

- This project aims to provide a secure and convenient solution for generating strong passwords based on user specifications and storing them securely.
- The application will allow users to input their desired password length and complexity requirements, such as including uppercase letters, lowercase letters, numbers, and special characters. The system will then generate a random password that meets these criteria and display it to the user.
- Technologies Used: **React, MongoDB, Express.js, Node.js, JWT, MongoDB Atlas, Netlify, Cyclic**
- Live Preview: **PassGen**

Open Course Selection   (Source Code)

- This web app aims to provide college students with a convenient and efficient platform to browse and select courses for their academic semesters.
- Technologies Used: **React, Firebase**