SAGAR CHAWLA

Jabalpur, Madhya Pradesh

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EDUCATION

Jabalpur Engineering College   2020 - 2024
Bachelor of Technology in Mechanical Engineering   *CGPA 7.8/10*

Maharishi Vidya Mandir   2017 - 2019
12th CBSE Board - PCM

WORK EXPERIENCE

Rework AI   May 2023 - June 2023
Node JS Engineer (SDE-I) Intern   *Remote*
- Led the development of an administration application that integrates various functions for controlling and maintaining the main site, resulting in improved operational efficiency.
- Built a user role feature that enables users to manage content on the main site based on their assigned roles.
- Also created an account deactivation feature that allows the admin to deactivate user accounts or manipulate assigned roles.
- Integrated a token-based authentication system across the server-side to ensure security measures.

PROJECTS

Aiello - AI buddy | *Node.js, MongoDB, Express.js, React.js* | **Live**
- Aiello is a SaaS platform that provides users with **Natural language processing (NLP)**, image and music generation capabilities.
- Users can ask Aiello questions and receive helpful responses in a conversational manner, as well as generate high-quality images or music based on their specification.

Hello - A Social application | *React.js, Redux, Node.js, MongoDB, Express.js, Material UI* | **Live**
- Developed a social media application by using React.js, Material UI on the client side and Node.js, Express.js on the server side.
- A social media application with features like user profiles, friend connections, content sharing (photos), user search, and account deactivation, providing a comprehensive and interactive platform for users to connect and engage.
- Implemented secure user **authentication** and **authorization** using **JSON Web Tokens (JWT)** for seamless login and signup functionality, ensuring enhanced security and privacy for user accounts.

WebRTC Based Real-Time Video Call app | *React.js, Node.js, Socket.io, Express.js, WebRtc* | **Live**
- A Video calling application developed with the MERN stack (MongoDB, Express.js, React.js, Node.js), along with Socket.IO & WebRTC.
- Utilized Socket.IO for signaling, enabling seamless session establishment in WebRTC technology..

React-Native Based Language Learning app | *React Native, Node.js, MongoDB* | **Live**
- Developed a user-friendly React Native language learning app with Integrated speech recognition for pronunciation practice.
- Designed interactive lessons and quizzes for engaging learning, Personalized user profiles to track progress and recommend lessons.
- Deployed the backend on Render and the frontend on Netlify, MongoDB Atlas for storing progress and training data.

TECHNICAL SKILLS

Programming Language: Java, Javascript, C++(Basic)
Markup Languages: HTML, CSS
Framework/Technologies: React.js, React Native, Redux, Node.js, Rest API, MongoDB, SQL, Git, Github, Material UI etc.
CS Subjects: Data Structure and Algorithm, Object Oriented Programming, DBMS
Others: Problem Solving, Management, Investing

RELEVANT COURSEWORK

Data Structures and Algorithms   Object-Oriented Programming   Database Management Systems

ACHIEVEMENTS AND CERTIFICATES

- Participating in **Hacktoberfest 2023**, contributing to **open source projects**
- Solved **450+** Data structure and Algorithm questions across Leetcode, GeeksforGeeks and Interview Bit
- **LeetCode rating: 1500** (proficient in algorithms and data structures)
- Secured 1st rank at school level in TechFest IIT Bombay national science olympiad
- Certification in **Full Stack Web Development** by Angela Yu (Udemy).
- Certification in **Java Programming** by CodeIn Academy (Udemy).
- Certification in Developer Tools Basics by Josh Werner(Udemy).
- Certification in **JavaScript** Ultimate Guide by Josh Werner(Udemy).
- Certification in **Object-Oriented Programming and Database management System** (Scaler).