SOMNATH KAR

MERN STACK DEVELOPER

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EXPERIENCE

Software Engineer

WiseBoxs Technologies

📅 Feb 2024 – Present

- Developing web applications using Vue.js.
- Converting Figma designs into responsive UI using Tailwind CSS, Vuetify, and Quasar.
- Implementing state management with Pinia.
- Managing backend logic, database migrations, and data access using AdonisJS.
- Integrating Firebase for real-time database, authentication, and other features.
- Using Docker to containerize applications for easy deployment.

PROJECTS

Project 1

Furniture e-commerce site

- **Description:**The website was developed using several technologies. Bootstrap was used for styling, while React and React Router were used for frontend development and routing respectively. Axios was used to send asynchronous HTTP requests to REST endpoints. MongoDB was chosen as the database system, and Express was used for the backend API. To ensure secure authentication, JSON Web Tokens (JWT) were used. Redux was used for state management. Additionally, an online payment gateway was integrated using Stripe.
- **Technologies**: React, react-router, MongoDB, Stripe, Express, and Node.js.

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Project 2

CloudHive

- **Description**: Designed and developed CloudHive, an advanced cloud storage platform. Implemented a user-friendly interface using React and Material-UI, coupled with Redux for efficient state management. Employed Node.js and Express on the backend, securing the application with JWT and bcrypt. Utilized PostgreSQL for database management and AWS S3 for robust file storage. The entire project is written in TypeScript for clarity and is deployed on Vercel for optimal performance.
- **Technologies** : React, Material-UI, Node.js, Express, TypeScript, Sequelize (PostgreSQL), JWT, bcrypt, AWS S3

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SKILLS

- **Languages:** TypeScript, JavaScript, C++, SQL
- **Web Technologies:** HTML5, CSS3, Bootstrap, Material UI, Tailwind CSS
- **Libraries:** Axios, Redux, Pinia
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Backend:** Express, Node.js, AdonisJS
- **Frontend:** Vue.js, ReactJS, Quasar, Vuetify
- **AWS Services:** AWS DynamoDB, AWS API Gateway, AWS Lambda, AWS IAM, AWS S3
- **Concepts:** OOP, RESTful Architecture
- **Payment Gateway:** Stripe
- **Version Control:** Git, GitHub, GitHub Actions
- **Configuration:** YAML
- **IDE:** Visual Studio Code
- **API Testing:** Postman
- **Data Structures and Algorithms**

EDUCATION

B.Tech in Computer Science and Engineering

Maulana Abul Kalam Azad University of Technology

📅 Sept 2019 – July 2023

CGPA - 9.09

Higher Secondary Education

Kartickpur Deganga Adarsha Vidyapith

📅 March 2018 – March 2019

CERTIFICATES

Developing Back-End Apps with Node.js and Express

Certificate from IBM

View Certificate

Learning SQL Programming as Data Manipulation Language(DML)

Certificate from Linkedin

View Certificate