JOSEPH MV

Full Stack Developer | MERN

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WORK EXPERIENCE

Subject Expert

Chegg India & Photomath

📅 October 2022 - February 2024

- Analysed and solved complex mathematical problems on Photomath and mechanical engineering questions on Chegg India using strong analytical skills and problem-solving techniques.
- Delivered accurate solutions within platform deadlines, effectively managing time to assist students in both mathematics and mechanical engineering.

PROJECTS

TripTide (Project for Road Travelers - In Progress)

- Building a responsive travel planning website that suggests locations along routes and enables users to create and save itineraries with auto-generated forms based on selected days.
- Implemented authentication features such as signup with email verification, login, and password recovery.
- Created a location database with coordinates using WikiQuery and integrated APIs from Mapbox, Unsplash, Wikidata, and Wikipedia.
- Enabled users to view and interact with maps to visualise routes and selected locations.
- Utilised NodeMailer for email verification and OTP, JWT tokens with refresh tokens, and bcrypt for security.
- Incorporated Redux for state management and Framer Motion for animations, with the backend hosted on AWS EC2.

GitHub Repository: https://github.com/joseph-mv/TripTide.git

View online: https://trip-tide.vercel.app

Bank Website

- Developed a responsive bank website using the MERN stack, featuring user registration, login, account management, and transactions.
- Utilised React.js for dynamic UI, bcrypt and JWT for authentication, Context API for centralised state management, and Axios for seamless API interactions.

SKILLS

- Node.js
- Express.js
- MongoDB
- React.js
- AWS
- Firebase
- Git/GitHub
- Data Structures and Algorithms
- HTML
- CSS
- JavaScript
- jQuery
- Bootstrap
- AJAX
- Handlebars.js
- C++
- Java

CERTIFICATIONS

- Responsive Web Design
  Issued by: freeCodeCamp
  Completion Date:21 May 2024
  [Certification Link]

- JavaScript Algorithms and Data Structures (Beta)
  Issued by: freeCodeCamp
  Completion Date:4 June 2024
  [Certification Link]

- Front End Development Libraries
  Issued by: freeCodeCamp
  Completion Date:15 June 2024
  [Certification Link]

- Implemented an admin panel with real-time charts and statistics using React Chart and Material React Table, enabling user management and transaction monitoring.
- Hosting the backend of the website on AWS EC2.

GitHub Repository: https://github.com/joseph-mv/BankWebsite

View online: user - https://bank-website-411w.vercel.app

View online: admin - https://bank-website-two.vercel.app

Olx Clone

- Built a dynamic OLX clone using React.js, leveraging Firebase for secure authentication, database management (Firestore), and image storage (Storage).
- Implemented React Router for smooth navigation and Context API for centralised state management, ensuring a seamless user experience.
- Integrated i18n for language switching between English and Hindi.

GitHub Repository: https://github.com/joseph-mv/Olx

View online: https://olx-tau.vercel.app

Netflix Clone

- Built a responsive Netflix clone using React.js, integrating the TMDB API via Axios for dynamic movie/TV show data.
- Implemented state management and asynchronous data fetching to deliver a seamless user experience.

GitHub Repository: https://github.com/joseph-mv/Netflix

View online: https://joseph-mv.github.io/Netflix

Shopping Cart

- Developed a secure and user-friendly shopping cart application using Express.js, Node.js, MongoDB, and Handlebars.
- Integrated Razorpay for secure payments, Bcrypt for user security, and file uploads.

GitHub Repository: https://github.com/joseph-mv/Shopping-Cart

Personal Website Development

- Built a personal website to showcase portfolio, projects, and skills using HTML5, CSS3, and JavaScript.

View online: josephmv.online

GitHub Repository: https://github.com/joseph-mv/Joseph-MV

Brototype Website Clone

- Built a responsive clone website using HTML, CSS, Bootstrap, and Javascript to practice web development skills learnt from the Brototype Malayalam YouTube channel.

View online: https://joseph-mv.github.io/Brototype

GitHub Repository: https://github.com/joseph-mv/Brototype

ACHIEVEMENTS

- Successfully completed 87 out of 150 LeetCode "Must-Do List" questions, focusing on interview preparation and problem-solving skills.

EDUCATION

Graduate Aptitude Test in Engineering (GATE)
  All India Rank:5525
  Qualified: March 2020

B.Tech.
  Mechanical Engineering
  CGPA:7.43

TKM College of Engineering

September 2015 - July 2019

Kollam, Kerala