RITURAJ PAUL

Software Developer   • Integrated Dual Degree (BCA + MCA) •

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SUMMARY

Passionate Software Developer with experience in frontend development using HTML,CSS JavaScript, React.js, Redux-Toolkit and Tailwind CSS. Proficient in Java for Data Structures and Algorithm(DSA) and Object Oriented Programming. Expanding skills in backend technologies like Node.js, Express.js and MongoDB. Strong problem solving abilities, committed to continuous learning and capable of working independently or in a team. Aiming to leverage technical skills to develop innovative software solutions that enhance user experience and impact mental health and well-being positively.

PROJECTS

Real-Time Face Mesh Detection Application
- Developed a React.js application utilizing TensorFlow.js and the FaceMesh model for real-time facial landmark detection. Implemented live video streaming with Webcam integration and dynamic canvas rendering for mesh overlay. Utilized custom utility functions for accurate face mesh visualization.
- Tech Stack: React.js, TensorFlow.js, FaceMesh Model, JavaScript, HTML5 Canvas, Webcam API.

AI-Powered Background Removal Web App
 Tech Stack: React.js, Node.js, Express.js, MongoDB, Razorpay API, Clipdrop API, Clerk Auth, Webhooks, Vercel
- Designed and developed a full-stack web application that removes image backgrounds using the Clipdrop AI API, enabling seamless image processing with high precision.
- Implemented secure user authentication and session management using Clerk, integrated with JWT-based middleware for backend validation.
- Integrated Razorpay payment gateway to allow users to purchase credits and manage plans dynamically with real-time transaction records.
- Utilized webhooks to capture and respond to payment events securely, ensuring robust transaction tracking and user credit allocation.
- Engineered a scalable MERN stack architecture with modular Controllers, Models, and Routes, ensuring clean code and maintainability.
- Deployed on Vercel with CI/CD integration via GitHub, achieving fast, responsive deployment cycles and a smooth user experience.
- Implemented detailed logging, error handling, and async API communication using Axios for efficient frontend-backend interaction.

SKILLS

Language: HTML, CSS, JavaScript, Java
Frameworks & Libraries: Tailwind CSS , React.js, Redux Toolkit, Node.js , Express.js
Database: MongoDB, Mongoose
Tools: Git & GitHub, Vercel
API Development : REST API
ML Integration: Tensorflow.js, FaceMesh Model
Soft Skills: Problem Solving, Adaptability, Communication, Time Management

EXPERIENCE

Full Stack Developer Intern - **Arodos Technologies**   Jan 2025 - June 2025
- Associated in designing, developing and maintaining responsive websites. Conducted quality assurance to identify and fix broken links, outdated content, and design inconsistencies. Optimized sites mobile devices and collaborated with senior developers to enhance functionality and user experience. Utilized HTML,CSS, JavaScript.

EDUCATION

Dibrugarh University (DU)
- Bachelor's In Computer Application
- CGPA : 7.8/10

Girijananda Chowdhury University (GCU)
- Master's In Computer Application
- CGPA : 8.3/10

Radha-Krishnan School of Arts, Commerce and Science
- Science - 65%

CERTIFICATION

October 2024

Internet Of Things(IOT) ‖ NPTEL
- Mastered the fundamentals of IOT.