ABSARA VISWANATHAN

FULLSTACK DEVELOPER

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PROFILE

Passionate Full Stack Developer with a strong foundation in both front-end and back-end technologies. Experienced in developing innovative solutions, including an AI-based warranty application, and optimizing user experiences across various platforms. Adept at tackling complex challenges and continuously learning emerging technologies. Eager to contribute my expertise in a dynamic firm, driving innovation and delivering high-quality applications that enhance business efficiency and user engagement.

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS
Frontend: React, Next.js, Tailwind CSS, Material UI, Wordpress
Backend: Node.js,Express.js, Node-RED
Database: SQL, MongoDB, Prisma ORM
Tools: GitHub, Postman

PROFESSIONAL EXPERIENCE

NearTekPod, Trichy – Jan 2024 - present
Software Engineer

- Developed and maintained web applications using React.js and Next.js, ensuring high performance, scalability, and user-friendly interfaces.
- Integrated RESTful APIs to enable seamless communication between frontend and backend services.
- Designed and optimized UI components with modern CSS frameworks like Tailwind CSS and Material-UI for a responsive and visually appealing user experience.
- Developed backend services using Node.js, Express.js, and MongoDB, handling authentication, database operations, and API development.
- Implemented AI-based image processing techniques such as object detection, image classification, and automated enhancements for improved functionality.

PROJECTS

Project Name : Hospitality PMS and AI Guest Engagement

Project Overview : An innovative Property Management System (PMS) integrated with advanced AI technologies to revolutionize guest experience and operational efficiency in the hospitality industry. The project, implemented for Marriott and Lexon Hotels, combined cutting-edge software solutions with artificial intelligence to enhance guest interactions, streamline hotel operations, and provide personalized services.

Responsibilities:

- Designed and developed a Hospitality Property Management System (PMS) integrated with AI-driven guest engagement features to enhance operational efficiency and personalized services.
- Implemented Next.js for a responsive and dynamic front-end, ensuring seamless user experience across devices.
- Developed an ID scanner using DeepFace and OpenCV for face verification, integrating it with OPERA Cloud to streamline guest check-ins, with Next.js for the frontend and DeepFace/OpenCV handling verification in the backend.

Project Name : Warranty AI

Project Overview : Warranty AI is an AI-powered warranty management application built with Next.js and Prisma DB. Designed to streamline insurance claim processes, it enhances operational efficiency while providing a seamless and user-friendly experience.

Responsibilities:

- Designed and developed an AI-powered warranty management system to streamline insurance claim processes and enhance operational efficiency.
- Implemented Next.js for a responsive and dynamic front-end, ensuring a seamless user experience across devices.
- Developed AI-driven data extraction to automatically retrieve bill details and analyze damaged product images, improving claim validation accuracy by 60%.
- Optimized claim processing workflows to reduce manual effort, minimize errors, and enhance the speed of claim approvals using AI automation.

Project Name : JACANA WARRANTY

Project Overview : JACANA WARRANTY is an insurance company specializing in coverage for old and damaged products. The project focused on enhancing and maintaining the company's WordPress website to improve performance, ensure a user-friendly experience, and align the platform with business objectives.

Responsibilities:

- Maintained and optimized the WordPress site to ensure high performance, security, and responsiveness.
- Improved the user interface and experience, making navigation seamless for policyholders and claimants.
- Implemented custom WordPress themes and plugins to align with the company's business goals.
- Enhanced site functionality by integrating insurance claim tracking and policy management features.

EDUCATION

2019 - 2023
KS Rangasamy College of Technology
BE - Computer Science Engineering

CERTIFICATIONS

- MERN Stack Development Certification in Simplilearn
- Java Development Certification in Skill Vertex

DECLARATION

I hereby declare that the above-mentioned information is true and correct to the best of my knowledge and belief. I take full responsibility for the accuracy of the details provided.

Absara Viswanathan