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HARISH B

PROFESSIONAL SUMMARY

Motivated MERN Stack Developer with a strong foundation in full-stack web development, specializing in React.js, Node.js, Express.js, and MongoDB. Experienced in building scalable, responsive, and secure web applications with a user-centric approach. Passionate about real-time applications, API development, authentication systems, and UI/UX principles. Adept at collaborating with cross-functional teams to deliver high-quality software solutions.

SKILLS

- **Frontend:** React.js, Tailwind CSS, Redux, HTML5, CSS3
- **Database:** MongoDB, Mongoose
- **Real-time Communication:** WebSockets, Socket.io
- **UI/UX Design:** Figma, Adobe XD, Wireframing, Prototyping
- **Backend:** Node.js, Express.js, RESTful APIs
- **Authentication & Security:** JWT, OAuth
- **Version Control & Deployment:** Git, GitHub, Render
- **Tools & Technologies:** Postman, Docker

WORK HISTORY

HR - TRAINING MANAGEMENT EXECUTIVE 11/2022 to 05/2024
Kvaluent Edtech, Chennai

- Experienced in business mining and managing the sourcing and recruitment of IT and non-IT trainers
- Skilled in conducting training needs analysis and designing tailored training programs, including soft skills like communication and teamwork
- Demonstrates exceptional communication, interpersonal skills, and strong analytical abilities for problem-solving
- Emphasizes results and continuous improvement, with proficiency in database management and report generation

EDUCATION

Agni College Of Technology, Tamil Nadu, India
Bachelor of Engineering, Mechanical And Automation Engineering, 07/2022
GPA: CGPA-8.2

- Graduation with **Distinction**, 2022
- Thesis Paper: Design, Development, and Analysis of Small Punch Test on Aluminum Metal**(ADC12)**

LANGUAGES

English

Tamil

CERTIFICATES

MERN Stack Developer – GUVI (Jan 2025)
- Developed a **Real-Time Chat Application** using **MongoDB, Express.js, React.js, and Node.js**.
- Implemented **WebSockets (Socket.io)** for real-time messaging.
- Integrated **JWT authentication** and **RESTful APIs**.

UI/UX Designing – Udemy (Jun 2024)
- Learned **Wireframing, Prototyping, UX Research, and UI Design Principles**.
- Worked with **Figma, Adobe XD, and Design Thinking methodologies**.

Skills
- **Frontend:** React.js, Tailwind CSS
- **Backend:** Node.js, Express.js
- **Database:** MongoDB, Mongoose
- **UI/UX:** Figma, Adobe XD, Wireframing, Prototyping
- **Real-time Communication:** Socket.io
- **Authentication & Security:** JWT, OAuth
- **Version Control:** Git, GitHub

PERSONAL PROJECTS

Project Name: Chattty – Real-time Chat Application
Description: Developed a real-time chat application with user authentication, live messaging, and a responsive UI using Tailwind CSS. Implemented a secure login system and optimized performance for smooth user experience.
Technologies Used: React, Node.js, Express, MongoDB, Socket.io, Tailwind CSS
Key Features:
- Secure user authentication and session management
- Real-time messaging with WebSockets
- Responsive and modern UI with Tailwind CSS
- Deployed on Render for accessibility

Project Name: Design, Development, and Analysis of Small Punch Test on Aluminum Metal**(ADC12)**
Description: Conducted design, fabrication, and FEA analysis of ADC12 aluminum alloy to evaluate its mechanical performance. The study compared ADC12 with existing materials used in gear pistons, demonstrating its superior efficiency.
Technologies & Tools Used: SolidWorks, ANSYS (FEA), MATLAB, CNC Machining
Key Contributions:
- Designed and fabricated ADC12 alloy for testing
- Performed finite element analysis (FEA) for structural evaluation
- Compared mechanical properties with conventional gear piston materials
- Concluded ADC12's enhanced efficiency for automotive applications

Project Name: Crop Health Analyzer with Artificial Intelligence
Description: Developed an AI-powered crop health monitoring system integrated into a drone to differentiate healthy crops from diseased or rotten ones. The system utilizes computer vision and machine learning to enhance precision agriculture.
Technologies & Tools Used: Python, OpenCV ,Drone Integration, IoT
Key Contributions:
- Developed AI models for crop health classification
- Implemented image processing techniques using OpenCV
- Integrated AI with drones for automated field monitoring
- Enhanced agricultural efficiency with real-time crop analysis