SHRADHA SINGH BHADORIA

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TECHNICAL SKILLS

Languages: C++, JavaScript, Python, SQL, HTML/CSS
Frameworks & libraries: React, Redux, Three.js, Zustand, Socket.io, Node.js, Express.js, Bootstrap, TailwindCSS
Tools & Platforms: Git, GitHub, Bitbucket, Docker, VS Code, Visual Studio, Jupyter, Postman, Figma, Adobe XD

EXPERIENCE

Infomatix Web Technologies LLP   Feb 2023 – July 2023
Web Developer   *Remote*
- Led development of 18+ CRM modules (React & Bootstrap) that achieved 98% Lighthouse scores and $< 2s$ load time across 5+ breakpoints - accelerating delivery by 30% and becoming a key factor in securing post-launch funding
- Developed 10+ feature-rich interfaces for a Hospital ERP (HMS), including modules like Doctor Income Reports, Patient Profiles, Appointments, and QR registrations, e-Prescriptions, increasing admin workflow efficiency by 35% and reducing manual hospital form entries
- Built 8+ reusable survey and tracking components with real-time validation and conditional rendering, improving data submission success rates and case tracking efficiency by 60%
- Modularized frontend with 40+ reusable components, integrated animations and transitions with optimized CSS properties, and used image compression + lazy loading to improve performance by 35% across CRM and HMS systems

Virtuoso Apps Pvt Ltd   Nov 2021 – Dec 2021
Web Developer   *Remote*
- Led UI design and wireframing processes, prioritizing user-centric approaches for website development
- Produced 10+ mockups for the website, integrating innovative design elements to enhance user engagement
- Acquired proficiency in Adobe Photoshop and Illustrator, employing advanced graphic design techniques to produce visually striking designs

PROJECTS

Studynotion Edtech Web App | *React, Node.js, Express, MongoDB, Git*   Link
- Designed a full-stack LMS with React, Node.js, and MongoDB, supporting 5000+ users with secure course access and real-time progress tracking
- Architected 36 REST APIs with JWT auth and RBAC, enhancing backend security and scalability
- Integrated Razorpay, Cloudinary, and Nodemailer to automate 75% of transactions, media uploads, and emails
- Followed MVC architecture and applied reusable middleware logic, improving backend maintainability and reducing code redundancy by 33%

ChatterBox: Real-Time Chat App | *React, Node.js, Express.js, MongoDB, Socket.io*   Link
- Developed a real-time chat application handling 50+ concurrent users with $< 200ms$ message latency using Socket.io and React
- Implemented secure user auth, responsive UI, and 30+ customizable themes using Tailwind CSS and Daisy UI
- Optimized state management with Zustand and leveraged MongoDB to handle real-time storage for 100K+ chat messages

CrowdAid: Blockchain Crowdfunding Web App | *React, Solidity, Web3*   Link
- Crafted a blockchain-based crowdfunding platform using React and Web3, supporting 1,000+ active users with secure, transparent transactions
- Built a responsive UI, improving user engagement by 60%
- Integrated MetaMask for seamless wallet authentication and transaction management, reducing login issues by 70%

Automatic Marksheet Generator | *Python, Flask, OpenCV, Bootstrap*   Link
- Constructed an Automatic Marksheet Generator system using Python, OpenPyxl, and Pandas for data manipulation
- Created a user-friendly interface with Flask and integrated the PIL (Python Imaging Library) for PDF generation, streamlining educational administration tasks with improved accuracy and efficiency

EDUCATION

University Institute of Technology, RGPV   Bhopal, MP
Bachelor of Technology, Information Technology   *2024*