RIDDHI CHAVAN

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EDUCATION

Mumbai University   Mumbai, India
Bachelor of Computer Science   *July 2017 – July 2022*

Somaiya College   Mumbai, India
Science (PCM)   *August 2015 – May 2017*

EXPERIENCE

Jacobs   September 2022 – Present
Software Developer   *Navi Mumbai, India*

- Developed a Vue.js single-page application, increasing user logins by 24% and significant app downloads within three months. Enhanced security and user experience with added authentication.
- Utilized Webpack and Babel for efficient module bundling and code transpilation, improving build processes and reducing deployment times by 25%.
- Engineered and deployed a high-impact application using Mendix, completing development in two months and expediting production deployment within one week.
- Provided development support for 6 internal enterprise applications using .NET and JavaScript.
- Debugged and resolved production issues, ensuring minimal downtime and optimal application performance.
- Collaborated with cross-functional teams to implement feature enhancements and bug fixes.
- Performed code reviews and optimized database queries using SQL Server for improved efficiency.

PROJECTS

JobStream | *React, Node.js, Express.js, MongoDB, Redux Toolkit, JWT*   June 2024 – August 2024

- Developed a full-stack job application platform for HR professionals to post and manage job listings.
- Implemented JWT-based authentication and role-based access control.
- Enabled HR workers to create, update, and delete job postings with user-specific visibility.
- Integrated search, filtering, and pagination for job listings by category and location.
- Designed dynamic dashboards with React Google Chart for visual analytics. Used Formik, Yup for form handling.
- Managed global state with Redux Toolkit for scalability and Created a responsive UI using Material-UI (MUI) for cross-device compatibility.

IndiWheels | *React.js, Three.js, Tailwind CSS, Shadcn/ui, GitHub Pages*   Nov 2024 – Present

- Created a cutting-edge car showcase platform celebrating India's vibrant automotive landscape with interactive 3D visualization.
- Integrated Three.js for photorealistic 3D car model rendering with 360° viewports, zoom, rotate, and interior view capabilities.
- Implemented GLB models for lightweight yet detailed vehicle visualization with performance-optimized loading.
- Designed a responsive interface using Tailwind CSS and Shadcn/ui components for a cohesive and polished UI across devices.
- Developed a comprehensive filtering system with React Context/Redux for intelligent vehicle discovery and comparison.
- Built real-time specification comparison between multiple vehicles for enhanced user decision-making.
- Created PWA capabilities for offline browsing and hosted JSON data to fetch car details from API dynamically.
- Deployed the application using GitHub Pages for streamlined hosting and delivery.

TECHNICAL SKILLS

Languages: JavaScript, Python, C# (with .NET), SQL, PostgreSQL, HTML, CSS
Frameworks/Technologies: Vue.js, React, Angular, Flask, Node.js (runtime), Bootstrap, Bulma, Material-UI
Developer Tools: Git, VS Code, Visual Studio, Eclipse, Azure DevOps, Figma

Volunteer Experience

Webmaster | *IEEE Terna Student Branch*   August 2020 – November 2021
- Led the development of the official IEEE Terna Student Branch website, enhancing user experience and functionality.
- Optimized web pages for maximum speed and scalability, handling high traffic efficiently.
- Implemented responsive design principles to ensure the site was fully optimized for mobile devices.