

Sidhanta Dwibedi

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EDUCATION

National Institute of science and Technology

Bachelor of Technology in Information Technology

Berhampur, IN

Aug 2016 – May 2020

EXPERIENCE

MakeByMe – DIY Furniture Design Platform

01/2022 – Present

Dassault Systèmes

Pune, India

- Developed an interactive 3D furniture design platform using TypeScript, Angular, HTML, and CSS, enabling users to customize and visualize furniture in real-time.
- Built Android and iOS applications using WebView, increasing platform accessibility and expanding the user base by 40%.
- Converted the web platform into a Progressive Web App (PWA) to improve mobile accessibility, reduce load times by 40%, and enhance user engagement by 25%.
- Optimized UI components and API performance, reducing response times by 20% and improving the overall user experience.
- Led technical workshops on Angular, TypeScript, and PWA development, mentoring team members and promoting best practices.
- Collaborated with cross-functional teams to integrate front-end features with backend services, ensuring seamless functionality and system efficiency.

Software Engineer

01/2021 – 12/2021

L&T Technology Services

India

- Developed WPF-based monitoring applications for solar panels, scrubbers, and engine systems, improving system diagnostics and performance monitoring.
- Built and optimized 5+ UI components using WPF and DevExpress tools, enhancing system usability by 35%.
- Improved database efficiency by 25% through the development and optimization of 15+ complex SQL queries.
- Conducted extensive manual testing, identifying and resolving critical bugs, reducing post-deployment issues by 20%.
- Collaborated within Agile and Scrum environments, ensuring timely project delivery and consistent communication with cross-functional teams.
- Integrated real-time monitoring capabilities and enhanced user interfaces, improving system responsiveness and reliability.

PROJECTS

- **MakeByMe:** Developed a 3D furniture design platform using WebView, enabling seamless integration with web technologies for a responsive and interactive user experience. Implemented advanced 3D rendering for real-time furniture customization, improving usability across mobile and desktop devices. This enhancement led to a 40% increase in active users by offering a more accessible and user-friendly design interface.
- **Blog Posting Platform:** Built a blogging system using Java, HTML, and CSS, featuring user authentication, post creation, editing, and deletion, with a responsive user interface for seamless content management.
- **Business Profile and Marketplace:** An Angular-based web application featuring a Business Profiles section for managing profiles and live chat, and a Marketplace for creating, editing, and browsing listings with search and filter capabilities. Angular, TypeScript, Reactive Forms, Angular Router and localStorage built for data persistence.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, C++, C#, Java, Swift
- **Frameworks & Tools:** Angular, RxJs, WPF, PWA, Android Studio, Xcode
- **Databases:** MSSQL
- **Development Tools:** Visual Studio, GitHub
- **UI/UX & Frontend:** HTML, CSS, DevExpress
- **Soft Skills:** Problem-Solving, Critical Thinking, Collaboration, Adaptability