

Ayush Yadav

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PROJECTS

Planora | [Link](#) React, TypeScript, Vite, Tailwind CSS, PuterJS

- Built an AI-powered web application that converts 2D floor plans into top-down 3D architectural visualizations using **Puter AI (txt2img)**.
- Implemented secure user authentication and project management using Puter SDK, enabling users to upload, generate, and revisit saved renders through a personalized dashboard.
- Designed an end-to-end workflow including image upload, AI rendering, project persistence, and export functionality for seamless user experience.
- Integrated an interactive before/after comparison slider to visually analyze differences between original floor plans and generated 3D renders.
- Developed a modular and scalable frontend using React, TypeScript, and React Router with optimized state handling and routing.

3D Portfolio | [Link](#) React, Vite, Tailwind CSS, React Three Fiber, EmailJS

- Built an interactive 3D personal portfolio featuring an immersive landing scene using **React Three Fiber** and Drei for rendering animated 3D models.
- Developed responsive multi-page navigation (About, Projects, Contact) using React Router for smooth client-side routing.
- Integrated a functional contact form using EmailJS to enable direct communication without backend setup.
- Enhanced user engagement with interactive elements such as animated scenes, stage-based transitions, and background music controls.
- Structured the application using reusable components, custom hooks, and modular architecture for scalability and maintainability.

SKILLS

Programming Languages: HTML, CSS, JavaScript

Frontend Libraries and Frameworks: React.js, Tailwind CSS, ThreeJS

Version Control: Git, GitHub, GitHub Desktop

Developer Tools and Platforms: VS Code, GitHub Actions, Postman, Figma

EDUCATION

B.E Computer Science Engineering

2023 - 2027

DR Bhimrao University, Agra, India