JoduLabs

Build 3D Houses from 2D Plans

Honavar, Karnataka, India

The Challenge

- Small builders can't afford 3D rendering (₹25K-1.5L per house)

- Owners build without seeing their house—spatial awareness is zero

- After construction: regrets, costly changes, damaged reputation

- 2.5M+ homes built yearly without 3D visibility

- The Insight: Builders need affordable visualization before breaking ground

Why Now: Market Opportunity

- India's Housing Boom: ₹2.5L Crore market annually

- 2.5M+ homes built per year | 65% from small/medium builders

- JoduLabs: 2 minutes to build 3D house | ₹2K/month unlimited

- Cloud-powered, works on any laptop + browser

- Massive TAM: 1.6M small/medium builders across India

How JoduLabs Works

- Builder provides structured floor plan data

- AI converts to precise 3D model

- Show on tablet—owners see rooms, doors, windows, layout

- AI Interior Designer: Vastu-compliant layouts (Q3 2026)

- Export precise blueprints for construction team

The Builder Advantage

Old Way (Manual): ₹25K-1.5L per house | 4-12 hours | Vendor hiring

JoduLabs Way: ₹2K/month unlimited | 2 minutes | Cloud SaaS

Result: Show clients instantly → close faster → 10x ROI

Technical Foundation

- NVIDIA Omniverse: World-class 3D engine for precise geometry

- Procedural 3D: Converts data to exact models (<1mm precision)

- Exact Measurements: Door placements, window sizes all precise

- Cloud-Powered Rendering: GPU-backed, zero hardware needed

- AI-Ready Architecture: Built for hand-drawn/PDF parsing Q1 2026

Launch Plan

- Q1 2026: Partner with 10 builders in Karnataka, tune experience

- Q2 2026: Open to all builders: ₹2K/month free trial

- Q3 2026: Add design options: Vastu temples, kitchens, courtyards

- Q4 2026: Show sunlight, airflow—help owners understand space

Technical Prototype Ready

- Core Engine: Structured floor plan → 3D conversion working

- NVIDIA Omniverse: GPU-powered 3D generation on cloud

- Precision Validated: Door/window geometry exact to millimeter

- Officially Registered: OPC company, Karnataka (Dec 2025)

- Next: Hand-drawn/PDF parsing + 10 builder pilots Q1 2026

AI Powers Scale (Q1-Q4 2026)

- Q1 2026: Hand-drawn/PDF parsing MVP (manual pipeline)

- Q2 2026 (YOLOv8): Auto-detect doors/windows from sketches

- Q3 2026 (Interior AI): Vastu layouts, furniture, style generation

- Q4 2026 (Full Automation): Sketch → 3D + interiors in <1 min

- Competitive Moat: Only system auto-generating Indian home designs

GPU Credits For 2 Workloads

- DGX Training (AI): 10K+ floor plan dataset, 3x faster launch

- RTX Rendering (Omniverse): Cloud GPU credits for 3D generation

- Enterprise Discounts: Omniverse Enterprise + NIM deployment

- Partner Network: Builders, architects, construction firms India

- VC Introductions: Deep-tech construction investors

What Success Looks Like

Year 1: 100+ builders | 10K+ houses | ₹30L revenue | 90%+ satisfaction

Year 3: 500+ builders | 100k+ houses | ₹5Cr+ revenue

Standard for Indian home building | 5-year path to exit

Every House Visualized + Designed Before Built

Sketch → 3D structure + AI-optimized interiors

jodulabs.com | Prototype ready. Builder pilots Q1 2026.