

PRATIK MAKHIJA

INDUSTRIAL & PRODUCT DESIGNER

Industrial & product designer taking ideas from hyper-realistic sketch to working prototype – where mechanics meet meaning. Trained in quality methods most designers lack (DFMEA, QFD, Six Sigma); now building faster with AI.



PROJECTS

THE SPADE PUZZLE

Mechanism

Handcrafted mechanical puzzle box

Designed and hand-built a story-driven wooden puzzle box with a working combination-lock mechanism; prototyped and user-tested it.

MEDICAL WASTE MANAGEMENT

Research

Uttarakhand · System design

System research on biomedical-waste segregation; built 'Bin It Right', a segregation training game, plus a redesigned disposal bin.

EDUCATION

UPES, DEHRADUN

2021-2025

B.Des, Product Design

Coursework: sketching & rendering, materials & processes, ergonomics, packaging, furniture, design research, design management.

QUALITY & PROCESS TRAINING

2024

Six Sigma · 5S · TQM · Kaizen

Quality-engineering & process methods — DFMEA, QFD / House of Quality, Poka-Yoke, and Critical Path Method.

SKILLS

SKETCHING & RENDERING ● ● ● ● ○

PROTOTYPING & MODELS ● ● ● ● ●

PRODUCT / INDUSTRIAL
DESIGN ● ● ● ● ○

DESIGN RESEARCH ● ● ○ ○ ○

DFMEA / QFD / SIX SIGMA ● ● ● ○ ○

FIGMA · ILLUSTRATOR · PS ● ● ● ● ○

AI & AUTOMATION (N8N) ● ● ● ● ○

CONTACT

mail@pratik.design

http://pratik.design

+91 74998 03261

Pune, India

HIGHLIGHTS

AI freelance studio — web + automation

Stack: n8n · Python · Ollama · VPS

Portfolio: pratik.design