

Designing at the intersection of engineering and human experience

M.Des candidate at LPU Punjab, specializing in concept development, 3D modeling, prototyping, and user-centered design. Background in Mechanical Engineering. Delivering innovative solutions across mobility, tech-wear, agritech, and smart systems.

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Education

M.Des — Product & Industrial Design

Lovely Professional University, Punjab

2024 — 2026

Foundation in Design

GOS Institution, Coimbatore

2023 — 2024

B.E — Mechanical Engineering

Panimalar Engineering College, Chennai

2019 — 2023

Design Tools

- Figma
- Fusion 360
- Unreal Engine
- Blender
- Spline 3d
- SolidWorks
- Illustrator
- Photoshop

Competencies

- Concept Development
- 3D Modeling
- Rapid Prototyping
- UI/UX Design
- Visualization
- Design Thinking
- Ergonomics
- User Research

Portfolio

- Main Portfolio

abinash-s.webflow.io
- 3D Portfolio

my.spline.design/untitled-01FMAbVTeAAkUj5znM4Be2zY
- Behance

behance.net/abinashs17

Soft Skills

- Teamwork
- Adaptability
- Problem Solving
- Communication

Selected Projects

01

Air Sense Guard

A smart air quality mask designed with a six layer filtration and cooling system, removable sensor cartridge, and real time LED air quality feedback. The concept combines protection, comfort, and connected health monitoring.

Wearable · Health Tech

02

Smart Glass Cleaning Robot

AI-powered autonomous robot for safe cleaning of high rise glass facades. Sensor arrays and suction tech enable navigation on complex curved surfaces, eliminating human risk.

Robotics · AI

03

Calm Lens

Wearable eyeglass add on detecting stress via eye and facial biometric signals. Delivers real time calming feedback and syncs with a companion app for continuous mood tracking.

Wearable · Health Tech

04

Ergonomic Rubik's Cube Locker

School storage system reimaged as modular rotating cube compartments. Ergonomic layout, bold colorway, and playful interaction mechanics transform everyday storage.

Furniture · Interaction

05

Misinformation Verification Chatbot

An audio-first verification experience that helps users check suspicious posts, images, videos, and messages. Voice based language selection, trusted source results, and learning tools make fact checking more accessible.

UI/UX · Social Impact

06

Modular Off-Road Pickup Truck

Foldable, reconfigurable vehicle platform with off road capability. Features a foldable roof panel and flexible interior adaptable between passenger and cargo transport modes.

Mobility · Automotive

07

Smart Parking System

Smart City · UX

Sensor integrated, app based mall parking solution delivering real time space guidance, cashless payments, EV ready charging bays, and redesigned traffic flows for a seamless, safe user experience.