

Swanak Datta, M.DES | B.TECH

Product & Systems Designer | Public & Private Sector Experience

<https://swanak.framer.website>

New Delhi, Phone: +91 8794314350 Email: swanak@live.com

DOB 10th March, 1990

Professional Summary

Cross-disciplinary Product & Systems Designer with **over 10 years of experience** across engineering, construction, and design. Experienced in delivering solutions for complex public and private sector challenges through systems thinking, multi-stakeholder problem framing, and execution-aware design. Has **led Government and private projects across diverse sectors, bringing a rare ability to translate complexity into implementable, real-world outcomes** through integrated, multi-domain design approaches.

Education

Masters in Design, Product Design Form Generation, Systems Design, Speculative Design	The Design Village, Noida	2024-Present
Bachelors of Technology, Civil Engineering AISSCE, XIIth	National Institute of Technology, Agartala Ramakrishna Mission Vidyalaya, Agartala	2008-2012 2008
AISSE, Xth	Ramakrishna Mission Vidyalaya, Agartala	2006

Key Skills

Design & Systems Industrial Design, Human-Centered Design, Systems Thinking, Strategic Design, Multi-Stakeholder System Design

Technical Engineering Design Integration, Structural Thinking & Design Logic, Feasibility & Manufacturability, Material Selection, Engineering Drawing Interpretation

Toolset Rhino, AutoCAD, BIM, Adobe Suite, KeyShot, Blender, Adobe XD / Figma, Powertools for Physical Prototyping

Strategic Design to Business Thinking, Policy Context Understanding, Project & Time Management, Stakeholder Communication

Work Experience

Civil Engineer Consultant **2015-2024**
Led end-to-end delivery of 40+ private and public-sector projects, balancing design intent, cost optimization, and execution feasibility. Improved project profitability up to 40% through strategic material selection, design optimization, and client negotiation while understanding of systemic constraints, regulatory frameworks, and stakeholder dynamics.

User Interface and Experience Design Consultant, D & D Learning **2023**
Worked across public digital systems and Government dashboards. Collaborated with developers, administrators, and public stakeholders (**TIDCL Web-design, CM Dashboard Tripura, Probasi Tripurabashi, Forest Park Booking**)

Site Engineer, Deva Projects **2013-2014**
Was having the privilege to work in "Heritage Structure", understand regulations of Govt regulating bodies, interact with agencies to understand the concerns. Worked in light weight EPS based wall structures, project fast tracking.

Project Internship, PWD Kolkata **April - May 2011**
Training and Internship under Right turn Flyover, Under assistant Engineer, PWD, Govt of WB.

Academic Projects

The Hatchback Project: Relevance and Stakeholder, Form Generation and Surfacing, Photoshop Rendering, 3D
High Speed Train Concept and Design : Form Generation, 3D model, Keyshot Renders
Neonova: A systemic approach towards product design, Speculative Design, 3D, Keyshot Render
Form and Material exploration : Stone and sculpting with power tools

Achievements

Best Startup and Best Entrepreneur, 2023 : Along with the team was awarded from Govt of Tripura

Combined Defence Services: **Cracked UPSC, Officers Training Academy, Indian Army` 2013**