

# Sarthak Jain

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in sarthakjain93

🏠 The Hague, Netherlands

## SUMMARY

A driven & diligent results-oriented energy infrastructure professional with 7+ years' experience from concept to execution. Proven track record of high impact multi-million \$ value addition. Eager to learn & lead complex projects realising an effective net-zero transition.

## SKILLS

<b>Technical</b>	Project delivery Engineering design Digital innovation Systems thinking
<b>Business</b>	Stakeholder management Contract management
<b>Coding</b>	R, VBA, Python, HTML
<b>Software</b>	CAE, CAD, MS Office
<b>Language</b>	English (fluent), Hindi (native), Dutch (basic)

## EDUCATION

<b>Imperial College</b>	<b>2024-Jun 2025</b>
Management Development Program	
<b>IIT Kharagpur</b>	<b>2012-2017</b>
M.Tech. - Structural Engineering	
B.Tech. - Civil Engineering	
Micro specialization - Systems Reliability	
GPA: 9.04/10.00 (Class Rank 1)	

## ACHIEVEMENTS

- Shell Recognition Awards in 2024, 2023 & 2019; Performance Shares in 2021
- Shell India Annual Business Challenge 1st prize with 'Mobile LNG' in 2017
- Institute Silver Medal & Best Master's Thesis, IIT Kharagpur in 2017
- Statistical model paper - Springer, 2016
- Research scholarship: modelling crack prediction, UNSW Australia in 2015

## CERTIFICATIONS

- Shell Technical Authority Civil Projects
- Dutch Safety Diploma (VOL-VCA)
- Dutch Driving License B Type

## OTHER INVOLVEMENTS

- DE&I reverse mentor for senior leaders
- Shell APAC network committee team
- Led student F1-prototype project team
- Hobbies: cooking, reading & blogging

## EXPERIENCE

### Hydrogen Project (HH1) Facilities Lead

Shell

Jan 2023 – Present

The Hague, Netherlands

Responsible for design & execution of civil, structural & architectural scope on flagship billion \$ 200 MW green hydrogen facility - Holland Hydrogen 1

- Developed & qualified **6 multi-disciplinary project decisions** for technical assurance, cost-schedule impact & execution feasibility.
- Defined **8 technical specifications** as per project & industry guidelines.
- Ensured LTI free 120k man hours by work-planning "**safety in design**".
- Assured **1800+ project deliverables** (drawings, calculations, procedures, material estimates) as per specifications & EN standards.
- Led **mission-critical redesign** of control building, architectural simplification **saving 20% cost (\$15M+)** enhancing project economics.
- Led **work preparation & on-site execution sequencing** of 80+ design packages; coordinated regulatory permits, quality & safety compliance.
- Managed **contract value of \$500k+** as company authority; supported cost control & claims for **major construction contract (\$75M+)**.
- Enhanced predictability by **proactive interfacing** between designer & constructor for joint reviews, technical clarifications & decision-making.
- Rationalised circular construction plan saving **25% environmental cost** using recycled concrete, XCarb steel, timber & water recycling.

### Digital Innovation SME Capital Projects

Shell

June 2019 – Jan 2023

Bangalore, India

Responsible for program management to innovate, mature & deploy value-adding digital solutions in construction & engineering of multibillion \$ Capital Projects

- Created a **funnel innovation process** generating proposals from **40+ global partners** (EPC ecosystem, academia, startups, user community).
- Managed \$300k to test **6 pilots & scale up 2 global digital** solutions.
- Innovated award winning AI-driven drone based **construction safety** dashboard with a startup: TPulse; **setup EFA** contract to scale globally.
- Enabled replication of remote progress monitoring tools in **90+ sites** by structuring **deployment** process with value proposition & demos.
- Setup digital platform with workflows for developing **subsea tie-backs**.
- Defined **digital capabilities plan** for wind, gas, & chemical projects, to enhance construction & startup, enable digital twin & easy replication.
- Designed **learning modules** for digital upskilling of the community.

### Civil & Structural Engineer

Shell

July 2017 – June 2019

Bangalore, India

Responsible for pre-investment development activities in gas projects, operating assets' integrity & functional improvements in tools & standards

- Defined **tender specifications**, installation strategy for \$150M+ SURF scope, field layout plan, diver-less hookup, TRL de-risking of flexible riser & dual-diameter pig for gas tie-in to Prelude (Crux, Australia).
- Developed **layout master plans & feasibility assessments** for offshore (Manatee, T&T), onshore (Sakhalin; BSP, Brunei) gas projects.
- Delivered **\$20M+ cost-saving risk assessment** to sites using **advanced analysis** for asset integrity, structural adequacy, and insulation design.
- Consolidated 14 internal design practices into 1 using **network graph visualization** & benchmarking against industry guidance & standards.