

# Sarthak Jain

✉ sarthakjain939@gmail.com

☎ +31-0630494284

in sarthakjain93

🏠 The Hague, Netherlands

## SUMMARY

A diligent, multi-skilled & outcome-oriented project delivery professional with 7+ years' experience & demonstrated track record in concept development, engineering design & construction of energy infrastructure.

## SKILLS

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

## EDUCATION

<b>Imperial College</b>	<b>2024-Present</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 winner in 2017
- Institute Silver Medal & Best Master's Thesis, IIT Kharagpur in 2017
- Statistical model paper - Springer, 2016
- Research scholarship, University of New South Wales Australia in 2015

## CERTIFICATIONS

- Shell Engineering TA3 (Civil Projects)
- VOL-VCA Diploma 2023-33
- NL B Driving License 2023-33

## OTHER INVOLVEMENTS

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

## 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

- Assured **1800+ engineering design deliverables** (drawings, procedures, specifications, estimates) per requirements & standards
- Defined **technical specifications** for coatings, concrete, steel, drainage
- Ensured **safety in design** by constructability inputs to work planning
- Qualified **design decisions** on timber, coatings, & building ventilation against technical feasibility, cost, schedule & project drivers
- Led **mission-critical redesign** of control building, architectural simplification **saving 20% cost (\$15M+)** & no schedule impact
- Reduced **environmental cost** by 25 % through **circular construction**, using recycled concrete, XCarb steel, & water recycling
- Mitigated planning & execution challenges with self-managed construction by **proactive interfacing** between designer & constructor
- Managed **work preparation** for 80+ engineering packages for execution
- Managed **contracts worth \$500k+** as contract holder, also supporting cost control & claims for **major construction contract (\$75M+)**

### Digital Innovation SME

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** engaging **40+ global partners** (EPC ecosystem, academia, startups, user sites) resulting in 50 ideas
- Delivered **6 pilots & 2 global deployments** of digital solutions (robotics, machine vision, remote monitoring, digital twin, automation)
- Innovated AI-driven construction safety dashboard with a startup to **provide insights from drone imagery**, leading to global replication
- Enabled replication of site visualization tools (result: **10+ uptakes**) by **self-help deployment** process using demos, cost models, prerequisites
- Mapped engineering information workflows to define digital solutions
- Defined **deployment strategy** for wind, gas, & chemical projects, to enable visualization, advanced work packaging & digital twin
- Designed **digital upskilling modules** for engineering 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** for subsea scope, **technology de-risking** plan, TRL definition of flexible riser for gas project (Crux, Australia)
- Developed **site layout plans & feasibility assessments** for offshore (Manatee, T&T), onshore (Sakhalin; BSP, Brunei) & subsea (Crux) scope
- Delivered **\$20M+ cost-saving advice** to operating sites using **advanced analysis** for asset integrity, structural adequacy, and insulation design
- Streamlined 14 internal engineering standards into 1 using **network graph visualization** & further benchmarking against industry practice