

Sarthak Jain

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📧 sarthakjain93

🏠 The Hague, Netherlands

SUMMARY

A diligent, multi-skilled & outcome-oriented project management professional with demonstrated track record & 8+ years experience in concept maturation, engineering design & construction execution of energy infrastructure.

SKILLS

Technical	Project delivery, Engineering design, Digitalization, Contract management
Soft Skills	Stakeholder management, systems thinking
Programming Software	R, VBA, Python, L ^A T _E X ABAQUS, Solidworks, Office, Photoshop
Language	Hindi (Native), English (Bi-lingual), Dutch (Basic)

EDUCATION

IIT Kharagpur 2012-17
M.Tech. - Structural Engineering
B.Tech - Civil Engineering
Micro specialization in Systems Reliability
GPA: 9.04/10.00 (Rank 1)

Imperial College 2024-Present
Management Development Program

ACHIEVEMENTS

- Research Scholarship, University of New South Wales in 2015
- Institute Silver Medal & Best Master's Thesis, IIT Kharagpur in 2017
- Shell India Annual Business Challenge 1st prize winner in 2017
- Shell Recognition Awards in 2019, 2023 & 2024
- Shell Performance Shares in 2021

CERTIFICATIONS

- 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

EXPERIENCE

Hydrogen Project Facilities Lead

Jan 2023 – Present

Shell

The Hague, Netherlands

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

- Managed **assurance** of 1800+ **design deliverables** per project standards
- Co-developed **technical specifications** for coatings, concrete, steel, finishing, and drainage
- Ensured **safety in design** via 3D model reviews and 4D work planning to improve constructability & reduce SIMOPS
- Developed technical notes **qualifying design decisions** on timber, coatings, and ventilation
- Led **mission-critical redesign** of control room & architectural features, **saving 20% cost**; awarded SRA
- Implemented **circular construction**, using recycled concrete, XCarb steel, and water recycling, **reducing MKI by 25%**
- Guided contractors to **self-manage construction**, resolving execution challenges through design & planning
- Managed **contracts worth 500k\$+**, supporting cost control, variation requests, and **construction permitting**

Capital Projects Digitalisation SME

June 2019 – Jan 2023

Shell

Bangalore, India

Responsible for program management to innovate, mature & deploy value-adding digital solutions for construction & engineering

- Created a **funnel innovation process** engaging **40+ global partners** and delivered **6 pilots & 2 global deployments** using digital solutions to **enhance efficiency** in Capital Projects
- Developed AI-driven construction safety dashboard to **provide insights from drone imagery**, leading to global replication and **deployment at 6 sites** with site visualization tools
- Defined **digital delivery plans** for offshore wind, gas, and chemical projects, enabling site visualization, advanced work packaging, and progressive **engineering information** maturation while designing **digital upskilling** modules on 4D/5D construction, drones, robotics, and digital twins

Civil & Structural Engineer

July 2017 – June 2019

Shell

Bangalore, India

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

- Led **front-end project activities** for Australian offshore gas development (Crux), including contract specifications and technology maturation; awarded SRA
- Developed **site layout plans & feasibility assessments** for offshore (Manatee, T&T), onshore (Sakhalin) & subsea (Crux) gas projects
- Delivered **MM\$ cost-saving technical advice** using **advanced analysis** for asset integrity, structural adequacy, and insulation design
- Streamlined **14 internal standards into 1** using **network graph visualization** and enhanced **1 engineering standard** through competitive benchmarking