



# ARAVIND. J

## OBJECTIVE

## Contact

### Phone

+971 55 29 766 86

+91 78670 12014

### E-mail:

sk040796@gmail.com

### Passport Number:

R6311706

## Skill

- Knowledge of marine engineering principles and practices, construction, and maintenance.
- Strategic planner and creative problem solver.
- Cost Estimates for Materials, Equipment, and Labour.
- Project Management.
- Manage and Monitor Each Stage of Project

## Languages

- Tamil
- English
- Hindi.

- To Achieve high career growth through a continuous process of learning for achieving goal & keeping myself dynamic in the changing scenario to become a successful professional and leading to best opportunity.
- A qualified civil engineer with proven experience in managing large-scale projects and ensuring their successful and timely completion.
- As an enthusiastic learner, I am keen to pursue further studies and continuously upgrade my knowledge to excel in my profession and meet evolving industry demands.
- To work with a reputable organization that offers meaningful learning opportunities, where I can enhance my skills and contribute effectively to the organization's growth.

## WORK EXPERIENCES

A professional Engineer with over **7+ years** of experience in **Site Execution**.

- **PLC Contracting as an Engineer**  
(from Sep 2024 to Present).
- **Afcons Infrastructure Limited as an Engineer**  
(from Oct 2021 to June 2024).
- **ITD Cementation India Pvt. Ltd as an Engineer**  
(from Sep. 2018 to Sep 2021).
- **Mahali Construction.**  
(from May 2017 to Aug2018).

## Core Competencies

- ❖ Marine Construction (Piling, Breakwater)
- ❖ Shore Protection Works Management
- ❖ Barge Operations and Logistics
- ❖ Project Planning & Scheduling
- ❖ Quality Assurance & Control (QA/QC)
- ❖ Heavy Machinery & Equipment Coordination
- ❖ Safety Protocols & Compliance
- ❖ Production & Logistic Optimization
- ❖ Team Leadership & Development
- ❖ Problem Solving & Technical Analysis

## Technical Skills

- ❖ Pile Driving Equipment
- ❖ GPS Systems
- ❖ CAD Software (e.g., AutoCAD)
- ❖ Hemisphere, Leica, TMC, Echoscope
- ❖ Marine Construction Equipment (Cranes, Barges, Vessels)

## Achievements

- ❖ **Marine Air Bag Method:** Successfully managed the launching of a deck barge using the innovative Marine Air Bag Method.
- ❖ **Software Proficiency:** Expertise in using advanced tools like Hemisphere, Leica, TMC, and Echoscope for accurate data analysis and decision-making.
- ❖ **Barge & Equipment Coordination:** Specialized in the seamless coordination and movement of barges, excavators, and cranes to streamline marine construction processes.

## 1. Nurai Island Construction of Groynes, Beach Sills and Revetments, Abu Dhabi, UAE.

<b>Client</b>	United Arab Emirates Presidential Court
<b>Main Contractor</b>	National Marine Dredging Company
<b>Contractor</b>	PLC Contracting LLC

### Roles and Responsibilities:-

In my role as an **Site Engineer** at **PLC Contracting LLC** (September 2024 – Present):

1. **Project Overview:** Leading the construction of Emerged Groynes, Plunging Groynes, and Beach Sills using a 10K feeder barge and the RORO (Roll-on/Roll-off) method.
2. **Shore Protection Works:** Organizing and managing construction operations for shore protection works, focusing on groyne and sill installation.
3. **Quality Assurance & Control:** Monitoring quality checks to ensure compliance with design specifications.
4. **Production Planning:** Developing and executing realistic production plans for efficient work execution, ensuring cost-effectiveness.
5. **Logistics & Barge Coordination:** Managing the logistical movement of materials using the 10K feeder barge and coordinating machinery movements using the RORO method.
6. **Optimization & Problem Solving:** Advising on technical possibilities to optimize construction processes based on operational conditions and available resources.
7. **Health, Safety, and Environmental (HSE) Compliance:** Ensuring strict adherence to HSE standards to maintain a safe working environment for site personnel.
8. **Progress Monitoring & Reporting:** Tracking daily progress, preparing reports, and providing updates to project leadership to ensure timely delivery of milestones.

## 2. Construction of Offshore Island Breakwater, Chhara, Gujarat.

<b>Client</b>	Shapoorji Pallonji Infrastructure Capital Company Private Limited (SP Infra)
<b>Consultant</b>	Royal Haskoning DHV
<b>Contractor</b>	Afcons Infrastructure Limited

### Roles and Responsibilities:-

In my role as an **Execution Engineer** at **Afcons Infrastructure Limited** (**October 2021 – June 2024**):

1. **Barge Readiness:** Spearheaded the expert preparation and equipping of barges for streamlined construction operations, ensuring the availability of all essential materials and equipment.
2. **Anchor Block Placing:** Skillfully positioned anchor blocks with precision, reinforcing breakwater stability and structural integrity.
3. **Core Dumping & Profiling:** Meticulously orchestrated the strategic placement of core materials in layers, establishing a solid and stable foundation for the breakwater.
4. **Armour Placing:** Demonstrated precision in positioning construction elements and arranging armour units to optimize breakwater performance and durability.
5. **Armour Profiling:** Strategically positioned armour units to ensure effective wave energy dissipation and enhance breakwater protection.
6. **Accropode Placing:** Proficiently laid specialized concrete blocks (accropodes) to improve breakwater stability and longevity.
7. **Barge Positioning and Movement:** Coordinated barge locations and movements to streamline construction processes and ensure the utmost safety.
8. **Software:** Utilized advanced software tools like **Hemisphere, Leica, TMC, Echoscope** for meticulous data analysis and informed decision-making in breakwater construction.

### 3. Establishment of Captive Coal Jetty with Unloading Facilities & Pipe Conveyor at Udangudi.

<b>Client</b>	Tamil Nadu Generation Distribution Corporation Ltd (TANGEDCO)
<b>Consultant</b>	Department of Ocean Engineering, IIT Madras, Chennai.
<b>Contractor</b>	ITD Cementation India Pvt. Ltd

#### **Roles and Responsibilities:-**

In my role as an **Execution Engineer** at **ITD Cementation India Limited** (Sep 2018 – Sep 2021):

1. **Project Planning:** Developed comprehensive piling and breakwater construction plans, considering factors such as pile type (BCIS Piling - Percussion), length, diameter, spacing, and breakwater design specifications.
2. **Site Assessment:** Conducted thorough site assessments to evaluate ground conditions and marine environments, identifying potential challenges to determine suitable piling and breakwater construction techniques.
3. **Equipment Selection and Coordination:** Coordinated with equipment suppliers to ensure the availability of pile gantries, cranes, barges, and specialized marine equipment for offshore breakwater construction.
4. **Construction Planning:** Created detailed construction schedules for the breakwater, including methodologies for foundation preparation, rock placement, armor layer installation, and pile driving. Addressed logistical challenges like transporting materials offshore.
5. **Health and Safety Compliance:** Developed and enforced safety protocols to ensure safe piling and breakwater operations. Conducted regular safety briefings, inspections, and hazard assessments to safeguard personnel and equipment.
6. **Quality Assurance & Control:** Established stringent quality control measures to verify that both piles and breakwater structures were installed in accordance with design specifications. Conducted load-bearing capacity tests for piles and ensured accurate placement of rock and armor layers.
7. **Method Statements and Risk Assessments:** Prepared detailed method statements for piling and breakwater operations. Performed risk assessments to identify potential risks and implemented mitigation strategies to minimize disruptions.

8. **Coordination with Construction Teams:** Collaborated with site managers, supervisors, marine crews, and operators to integrate piling activities and breakwater construction seamlessly into the overall project schedule.
9. **Documentation and Reporting:** Maintained comprehensive records of piling and breakwater construction activities, including pile depths, driving resistance, rock placement, material usage, and inspection results.
10. **Training and Development:** Provided technical training to the project team on both piling and offshore breakwater construction techniques, safety protocols, and equipment operations.
11. **Supervision and Progress Monitoring:** Supervised on-site and offshore operations, coordinating with marine crews, construction teams, and other stakeholders to track project milestones and ensure timely completion.

#### **4. Construction of Residential Housing Works at Dindigul.**

<b>Client</b>	Public Works Department.
<b>Contractor</b>	Mahali Construction.

#### **Roles and Responsibilities:-**

As a **Site Engineer** at **Mahali Construction (May 2017 – August 2018):**

1. **Project Coordination:** Collaborated with civil technicians to gather project equipment and update maps, drawings, and blueprints.
2. **Construction Contract Management:** Managed construction contracts for capital projects, outlining objectives, stakeholder responsibilities, and modification procedures.
3. **Risk Reduction:** Proactively reduced risks by reviewing the permit process to ensure compliance with regulations.
4. **Monitoring and Compliance:** Monitored the execution of contract work for compliance with design plans and specifications.

## Highlights

- I possess a distinct ability to efficiently **Coordinate and Execute barge movements**. This skill encompasses the expert management of barge locations and their movements during construction operations. Leveraging this proficiency, I streamline construction processes, ensuring optimal efficiency and safety.
- I specialize in the seamless **shifting of heavy machinery**, such as **Excavators and Cranes**, across critical phases of marine construction projects. Proficient in orchestrating movements from **Jetty to Barge, Barge to Barge, and Barge to Breakwater**, I employ precision and strategic coordination to ensure the efficient deployment of equipment.

## Academic Profile

Degree/Course	College/University	Year Of Passing	Percentage
B.E – Civil Engineering	R.V.S SCHOOL OF ENGINEERING & TECHNOLOGY, DINDIGUL	2013 - 2017	63.70

## Declaration

I hereby declare that the details furnished above are true to the best of my knowledge.

with Regards,



(ARAVIND. J)