

# ARUN PERIYAL

Naval Architect ~ Ocean Engineer

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## OBJECTIVE

Seeking a position that will enable me to use my strong organizational skills and educational background and work my way up. Naval Architect with shipyard experience working primarily in design and installation of machinery and piping systems. IIT graduate specialising in Ocean Engineering and Naval Architecture.

## SKILLS

**Software:** AVEVA Marine PDMS, AutoCAD, Delft Ship, ANSYS, ABAQUS, MS Office

**Programming:** Python, C++, Java, MATLAB, Fortran

## INDUSTRIAL VISITS

### Hindustan Machine Tools

Visited manufacturing facilities and observed precision engineering processes

Cochin

### Naval Ship Repair Yard (NSRY)

Observed ship maintenance and repair operations

Cochin

### Samudra Shipyard

Training in the construction of high-speed FRP boats

Cochin

### Naval Science & Technological Laboratory (NSTL)

Observed experiments in High-Speed Towing tank, Wind Tunnel, Cavitation Tunnel, Seakeeping and Manoeuvring Basin

Vishakhapatnam

## EDUCATION

2019 - 2021	<b>M.Tech in Ocean Engineering and Naval Architecture</b> Department of Ocean Engineering and Naval Architecture. Graduated	Indian Institute of Technology Kharagpur
2013 - 2017	<b>B.Tech in Naval Architecture and Ship Building</b> Department of Ship Technology. Score: 7.23/10 CGPA	Cochin University of Science and Technology
2013	<b>12th Grade</b> Physics, Chemistry, Mathematics, Computer and English. Score: 92%	Bharathiya Vidya Bhavan, Thrissur
2011	<b>10th Grade</b> Science, Social, Mathematics, English and Hindi. Score: 100%	Chinmaya Vidyalaya, Nileshwar

## EXPERIENCE

July 2017 – July 2018	<b>Engineer</b> • <b>Design and Process Engineering Department (9 months):</b> Junior Design Engineer with responsibilities of designing, understanding and resolving problems in the Engineering systems of Naval Offshore Patrol Vessels (NOPV) • <b>Accommodation and HVAC Department (4 months):</b> Junior Production Engineer with responsibilities of planning and coordinating production (piping) processes of NOPV at the site by developing operational strategies to achieve targets using minimum resources AVEVA Marine PDMS / AutoCAD / Piping Design	Reliance Defence and Naval Engineering Ltd, Gujarat
April – May 2016	<b>Trainee</b> • <b>New Construction Wing Department:</b> Calculation and assessment of the structural strength of newly built vessels as per the IRS rules Structural Analysis / IRS Standards	Indian Register of Shipping (IRClass), Mumbai
April – May 2015	<b>Trainee</b> • <b>Kerala Inland Vessels (KIVs):</b> Under the guidance of Dr. K. Sivaprasad (Naval Architect) for Cochin Port Trust • Public relations with owners, Sketch General Arrangement Drawings, Conduct stability tests like Heel Test and Inclination Test Ship Design / Stability Tests / AutoCAD	DESCON, Cochin University of Science and Technology

## REFERENCES

**Dr. Ritwik Ghoshal**  
Indian Institute of Technology Kharagpur

Assistant Professor, Dept. of Ocean Engineering and Naval Architecture

**Dr. K. Sivaprasad**  
Cochin University of Science and Technology  
Email: sivachinta1965@gmail.com

Associate Professor, Department of Ship Technology

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Deputy Manager, Design & Process Engineering