

# Sirosh Prakash

## Naval Architect | Detail Design Engineer | Project Manager



Date of birth: 06/06/1996 | Nationality: India | Email: [siroshprakash@gmail.com](mailto:siroshprakash@gmail.com) |

Mobile: +91 8593872909 | Skype: [live:siroshprakash](https://live.skype.com/join/siroshprakash) |

LinkedIn: [linkedin.com/in/sirosh-prakash-56170388](https://www.linkedin.com/in/sirosh-prakash-56170388) |

Previous Location: Kaohsiung, Taiwan |

Location: Kochi, India, 686662 |

### ▪ Executive Summary

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I'm a Naval Architect with 4 years of experience, hoping to work with an organization which offers professional development and growth potential and to further build upon my academic training and experience to benefit the employer. I have worked as a consultant for the design of diverse innovative naval projects & commercial vessels during the 4 year journey of my career.

### ▪ Key Skills

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#### Technical

<u>Naval Architect</u>	<u>Structural Engineering</u>	<u>3D modelling</u>	<u>Outfit Modelling</u>	<u>FEA</u>
<u>Basic Design</u>	<u>Detail Design</u>	<u>Production Drawing</u>	<u>ISO 9001:2015</u>	<u>CAD/CAM</u>
<u>Marine Surveyor</u>	<u>Yacht Styling</u>	<u>Marine Inspection</u>	<u>Propulsion</u>	<u>Stability</u>

#### Software

<u>ANSYS 5 out of 5</u>	<u>AVEVA 5 out of 5</u>	<u>AutoCAD 5 out of 5</u>	<u>Rhino 5 out of 5</u>	<u>Foran 4 out of 5</u>
<u>Maxsurf 3 out of 5</u>	<u>Siemens NX 3 out of 5</u>	<u>Photoshop 3 out of 5</u>		

#### Language

<u>English – C2</u>	<u>Dutch – A1</u>	<u>Hindi – Expert</u>	<u>Mandarin - Beginner</u>
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### ▪ Professional Experience

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#### **Consultant with Gavron Limited Gibraltar / CSBC**

**2020-2021**

#### **Submarine outfit integration and CAD/CAM Expertise**

- Integration of outfit design for entire submarine for transition design stage.
- CAD/CAM expertise for detail design stage.
- Foundation design for equipment under up to 200kgs.
- Buckling analysis of Pressure hull – studying the overall buckling behaviour of 8 frames.
- Preparation of engine room arrangement layout.
- Equipment Layout preparation and weight estimation of outfitting elements.
- Review and modification of production drawings.
- Pipe model checks and optimization - checks and optimization for few machinery and domestic piping systems. HVAC model checks and optimization – for both accommodation and machinery areas.
- Preparation of build strategy and assembly sequence for submarine aft block and equipment foundations.

**Project Manager for Design of Offshore patrol vessel (OPV) Navy**

- Preparing and controlling daily work plan.
- Detailed Hull modelling in AVEVA including production outputs (Production drawing, Assembly drawing, Nesting sketches).
- Pipe line routing of domestic systems, Cable routing.
- Equipment seating designing and modelling.
- Creation of compartment layouts, pipe installation drawings, pipe Isometrics, spool drawings, BOM, material take-off list.
- 3D model integration, optimizing the outfitting model - pipe, cable tray, equipment foundation, HVAC

**Design Lead for Basic & Detail Design of Multi-Purpose Barge**

**2019-2020**

- Resistance powering and propeller calculation.
- Designing ship structure to its detail phase.
- Preparation of material take-off list.
- Project management and scheduling.
- Structure Analysis of crane foundation.
- Design of ship hull and superstructure with all the safety and regulatory standards.

**Team Lead for Structure Analysis of Cannon foundation - OPV**

**2019-2020**

- Scantling check of gun foundation as per Lloyd's register.
- Performed static and transient dynamic analysis.
- Optimization of foundation scantling using the Outputs from analysis & final report preparation.
- Creation and review of 3D technical drawings.

**Team Lead for Multi-Terrain Vehicle**

**2019-2020**

**Equipment installation in Fast interceptor craft**

**2018-2020**

**Ballast Water Management**

**2018-2020**

**Stability check of an Ocean going Tug (x-bow)**

**2018-2020**

▪ **Education and Qualification**

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- Certification in Maritime Lead Auditor (ISM, ISPS, MLC) - **FLOATSYS** **2021**
- Certification in ISO 9001:2015 – **FLOATSYS** **2021**
- B.Tech in Naval Architecture and Shipbuilding Engineering **05/2014 – 05/2018**

▪ **Reference**

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**David Morris c. Eng. MRINA**

Naval Architect Basic Design & Structural  
Analysis Gavron Limited Gibraltar WTC 6 Bayside Rd.  
Gx11 1AA, Gibraltar  
UK Mobile: +44 7851 605381

**Pedro Prieto Fuentes**

Naval Architect Consultant  
Techno Pro Hispania S.L  
Spain Mobile: +34 608 64 09 66  
Email: oldseas2@gmail.com