Rajeev.M

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Objective:

Seeking an opportunity to learn more about the Ocean systems engineering, advanced technologies implemented in ship, offshore &underwater vehicles design and construction.

Experience:

- ✓ **2007 May to 2008 June**. I worked as a Technical Support Representative for a year with UNISYS GLOBAL SERVICES. Worked as a level one Engineer. Our team was responsible for maintaining over 80 networks across US and a few in UK.
- ✓ **2009 June to 2009 July.** Underwent one month shipyard training at Bharati Shipyard, Ratnagiri, India. Task was to verify the inventory list against the production drawings.

Educational Qualifications:

- ✓ Completed B.E in Naval Architecture and Offshore Engineering, with an aggregate of 7.54 GPA (10.0 SCALE) at AMET University, Chennai, India.
- ✓ Completed my Diploma Electronics and Communication from IMPACT Polytechnic, Bangalore, India in 2004 to 2007 with a distinction 78%.
- ✓ Completed Secondary School Leaving Certificate from JANAK VIDYALAYA, Bangalore with 79%.

Technical Skills:

- ✓ **Modeling Tools:** Auto CAD, Auto Inventor, Delft ship. Learning Rhino & Maxsurf.
- ✓ **Aveva Marine/ Tribon M3:** Have good knowledge on Creating Lines Plan, Surface and compartment, Hydrostatics and Hydrodynamics for a given ship.
- ✓ **Programming Languages:** Basics of C, Assembly Language Programming for 8051 Microcontrollers, VHDL (XILINX simulation with MODELSIM).
- ✓ **Operating Systems:** Windows 95 to Windows 7, Mac Tiger, Leopard, OS X, Linux.
- ✓ **Electronic Design Tools:** Schematic Design for Circuit Maker, PCB Design in Traxmaker

Project Undertaken In Diploma:

- ✓ Device control through Mobile Phone.

Minor Project Undertaken In Engineering:

✓ Design, modeling and control of Autonomous Underwater robots

This thesis gives a very good understanding of how to design, model and control an AUV aka Autonomous Underwater Vehicle. In the design we will be dealing fundamental concepts and physical laws governing the vehicle in its environment. Modeling presents an overview of the mechanical and electronic systems that can be developed for an AUV. Presented as well is the integration of various systems involved. Controlling includes navigation, Systems Identification, control techniques, testing.

Major Project Undertaken in Engineering:

Design of 75000DWT LNG Membrane type carrier using Aveva Marine and Tribon

✓ Created Lines using Aveva Marine
✓ Created surface and compartmented the ship using surface and compartment Module
✓ Checked for its hydrostatics and Hydrodynamics according to IMO regulations using Hydrodynamics Module for five different Loading conditions. Calculated Resistance and Propulsion using the same Module.
✓ Carried out Tonnage calculations, capacity calculations.

Skills:
✓ Good Communication Skills.
✓ Good leadership skills.
✓ Good at achieving objectives by working as a team
✓ Ability to cope tactfully with people and willingness to learn.
✓ Extensive problem solving ability and Risk taking ability.
✓ Have good computer and networking knowledge.
✓ Very good ability to merge creative vision with objectives to create distinctive and engaging content.

Extra Curricular Activities:

✓ Student Member of Royal Institution of Naval Architects (RINA). ID - 00300099.
✓ Member of Association for Unmanned Vehicles Systems International (AUVSI).
✓ I was the Campus Ambassador for twenty19 organization.
✓ Under went Dale Carnegie training in 2007.
✓ I own a Blog http://ships-offshore-technoz.blogspot.com/. I keep this blog updated with latest technology or innovation in Shipbuilding, Offshore and Aviation sector.

- ✓ Secured third place in "Samudramanthan-2011." National Level competition held by IIT Kharagpur. Designed and developed an ROV which had a mechanism to tow a barge through hooking mechanism.
- ✓ Competed in "Oceania Quiz - 2011" a National Level competition held by IIT Kharagpur and secured First place.
- ✓ Competed in "Samudramanthan-2010", Designed and developed an ROV with the capability of picking up objects suspended in water body or on water bed.
- ✓ Attended a National conference on Port planning, development and Management.
- ✓ Competed in volley ball game and was the captain of our group team in the University.
- ✓ Competed in Student Autonomous Vehicle contest conducted my National Institute of Ocean Technology and got selected for producing PDR of an AUV.

Languages Known:

1. English   Proficient in Reading, Writing and Speaking
2. German   Basic speaking (Learning)
3. Hindi   Proficient in Reading, Writing and Speaking
4. Telgu   Proficient in Speaking
5. Kannada   Proficient in Reading, Writing and Speaking
6. Tamil   Proficient in Speaking

Yours Sincerely