

# Ranganath Komandur

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## EDUCATION

**Indian Institute of Technology MADRAS**

Chennai, TN, India

**Dual Degree(Bachelors & Masters), Naval Architecture and Ocean Engineering**

July, 2010

GPA 6.71/10

## EXPERIENCE

### INDIAN NAVY

New Delhi, India

**Assistant Director - Directorate of Naval Design**

Sep 2010 – Oct 2011

- Worked in the Forward Design Group (FDG and Stealth) on reducing the Radar Cross Section (RCS) and vibrational signature of war ships.
- Compared performance parameters such as Turning Radius, Maximum Speed, Stopping Distance etc. among the calculated values, the values measured on the model and the values observed on the ship. These are used to predict the performance parameters for the follow-on ships.
- Worked in the Computer Aided Design (CAD) group that provided operational support to the Directorate.

### TEBMA SHIPYARD LTD

Chennai, India

**Summer Internship**

June 2008 - July 2008

- Designed a harbour Tug (32 Ton bollard pull) which was to be operated in JNPT, Mumbai
- Made the drawings for General Arrangement, Tank Capacity, Lines Plan, Section Plan and Shell Expansion view of the Tug.
- Calculations made include Hull Scantlings (as per IRS rules), Weight Estimation, Load, Bonjean and Hydrostatic curves.

### GOA SHIPYARD LTD

Vasco-da-gama, India

**Summer Internship**

May 2007 – June 2007

- Conducted a detailed study on the work done in various departments and obtained an overview of the working of a shipyard.
- Gained knowledge about the design tools like Tribon, used in the design section.

## ACADEMIC ACHEIVEMENTS

**Engineering entrance examinations**

2005

- Secured a rank of 2847 among 2 lakh students appeared in IITJEE – mains examination.
- Secured a rank of 1837 among 4 lakh students appeared in AIEEE examination.
- Secured a rank of 1618 among 2 lakh students appeared in EAMCET examination.
- Cleared the UPSC preliminary examination on two occasions.

## SKILLS

- HTML, CSS, Javascript, jQuery.
- Matlab, CAD
- Currently enrolled in Codeastra – a bootcamp to learn Ruby(programming language) and Rails(framework used in ruby).

## ADDITIONAL INFORMATION

- Proficient in English , Telugu and Hindi languages.
- Completed 2 levels of Spanish (Basic and Intermediate) from Instituto Hispania in New Delhi.
- Captain of the hostel Basketball team.