



# MARIA SANSANNA

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*A highly motivated professional with a background in Oceanography, I bring a unique perspective to the IT landscape. My MTech degree in Ocean Technology has equipped me with a solid foundation in data analysis, research methodologies, and project management. I am now seeking to redirect my analytical and problem-solving skills towards the dynamic field of Information Technology.*

## EDUCATION

### M Tech Ocean Technology

2020-2022

Cochin University of Science and Technology  
CGPA = 7.82, Per = 73.2%

### MSc. Oceanography

2018-2020

Cochin University of Science and Technology  
CGPA = 7.74, Per = 72.4%

### BSc. Mathematics

2015-2018

St. Teresa's College  
CGPA = 7.86, Per = 74.67%

### HIGHER SECONDARY EDUCATION

2013-2015

Toc H Public School  
Percentage = 97.61%

### MARTICULATION

2011-2013

Toc H Public School  
Percentage = 87.4%

## EXPERIENCE

### Research Internship

#### Indian National Centre for Ocean Information Services, Hyderabad

October 2021- June 2022

Completed the project "TRANSPORT OF VOLUME AND HEAT ACROSS ARABIAN SEA AND BAY OF BENGAL DUE TO MONSOON CURRENTS" under the guidance of Dr Francis P. A. Scientist F, INCOIS

- Investigated the zonal volume and heat transported north of the Equator
- Analysed the climatological variations of Volume and heat transport
- Analysed the net annual variations in volume transport.

#### Indian National Centre for Ocean Information Services, Hyderabad

December 2019- April 2020

Completed the project "INTRASEASONAL/SEASONAL VARIABILITY OF THE UPPER WATER COLUMN TEMPERATURE IN SOUTH CENTRAL ARABIAN SEA"

under the guidance of Dr. Abhishek Chatterjee, Scientist D, INCOIS.

- Mixed layer processes in modulation seasonal/intraseasonal variability of SST using the observations from newly deployed RAMA moorings were investigated
  - Used simulations from a high-resolution ocean general circulation model to augment our analysis.
  - Analysed the mixed layer heat budget for the two locations
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## **SKILLS**

- Programming Languages - Python, Fortran90, Octave, C++
  - Data Visualisation -PyFerret, Grapher
  - Web Development -HTML
  - Database - SQL
  - Software – Adobe, MS Word, MS Excel and MS PowerPoint
  - Operating Systems – Windows, Linux
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## **Certification**

- Diploma in Computer Application, St Teresas College, 2015
  - C++ Programming, GTECH Computer Education, 2012
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## **SOFT SKILLS**

- Strong problem solving and analytical skills
  - Excellent communication and collaboration skills
  - Adaptable and quick learner
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## **REFERENCE**

- Dr. V. Vijith — Assistant Professor  
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04842863206
  - Dr. K. M. Santhosh — Assistant Professor  
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