

Contact

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Top Skills

Leadership
Printed Circuit Board (PCB) Design
Arduino

Languages

Malayalam (Professional Working)
Hindi (Limited Working)
English (Native or Bilingual)

Honors-Awards

Akhil Memorial Award
Student Full Fellowship
Pallotti Boy of The Year 2015-2016 -
St.Vincent Pallotti Central School
IDEA Science Exhibition- Winner
Award

Timothy Simon Thomas

Team Lead at Mission100kft | Summer Research Intern- IIT
Guwahati | Founder and CEO SenseSpace Technologies | Final
Year Project at ACARR
Bengaluru

Summary

I am a budding engineer with a passion for understanding, sharing,
and
applying key engineering concepts in real life scenarios. I am
passionate
about the skies and the mysteries that lie yonder. My technical
interests
are in VLSI, embedded systems and system design, with keen
interest of
their application in the aerospace industry .

Experience

IIT, Guwahati
Online Summer Research Intern
June 2020 - Present (3 months)
India

IEEE PIE Kerala Section
IEEE PIE Kochi Hub Student Cordinator
May 2020 - Present (4 months)
Kochi, Kerala, India

Mission100kft
1 year 7 months
Mission Director and Team Lead
February 2019 - Present (1 year 7 months)
Cochin Area, India

Mission100kft was a venture I pioneered. The mission aims to develop a
POC for high altitude retrievable payloads for metrological applications.
The mission on its completion would be a world first attempt towards the
same. My work on the project includes its Onboard system design and
implementation, LOS communication, flight testing , flight operations,

and event organisation. It is now supported by the Advanced Centre for Atmospheric Radar Research(ACARR). A 20 member team from the Department of ECE are involved in it. I have also worked on the sponsorship for the event and have obtained sponsorship from a number of companies including the Cochin International Airport Ltd.

Founder

February 2019 - Present (1 year 7 months)

Cochin Area, India

Founded mission100kft a pioneering venture to develop a HAP retrieval system for metrological payloads. Done in collaboration with the Advanced Centre for Atmospheric Radar Research, at the Cochin University of Science and Technology

SENSESPACE INNOVATIONS

Founder and CEO

February 2018 - Present (2 years 7 months)

Cochin Area, India

www.sensespaceinnovation.com

It is a startup incubatee at the CITTIC, Cochin University of Science and Technology. The startup aims to provide technical solutions to socially relevant issues that affect our community. The company currently works towards providing low cost avian incubators to small scale farmers.

Aerospace Society of CUSAT

Vice President

September 2019 - Present (1 year)

Cochin Area, India

Conduct a variety of Talks so as to inspire the younger generation towards space. Conduct a variety of events under the IRES banner.

DHISHNA

1 year 11 months

Branch Coordinator

February 2019 - Present (1 year 7 months)

Cochin Area, India

Dhishna2020 isSchool Of Engineering CUSAT's, annual tech-fest. I am currently the Student Branch Cordinator for the Electronics and Communication Engineering Department.

Event Coordinator of Be the Pilot, Dhishna2k19

October 2018 - February 2019 (5 months)

Cochin Area, India

Be the pilot was a pioneering 1:1 scale AIRBUS A320 flight simulator designed and setup during our annual Tech fest Dhishna2k19. I had pitched the event before the committee, and then was in charge of its organization and development. The flight simulator gave aviation enthusiasts a taste of what it is like to fly. Visitors were given hands on sessions on takeoff, cruise and landing, various concepts including ILS, IFR were taught. The flight simulator was based on the Microsoft FSX and Xplane, special effects and cockpit interiors were also incorporated. Being an ardent aviation enthusiast myself I was the flight instructor for the course of the event.

Cochin University of Science and Technology

Cochin University Space Expo Organizer

February 2020 - February 2020 (1 month)

Kochi, Kerala

We initiated the space expo with the goal of inspiring the youth of our nation into aerospace and avionics. The program targeted students from humble walks of life. The great visionary and Ex-ISRO Chairman Dr.G.Madhavan Nair was the chief guest of the event. The event also showcased a technology demonstration by Mission100kft.

Indian Institute of Technology, Guwahati

Summer Intern

May 2019 - June 2019 (2 months)

Guwahati

Research Internship under Prof. Roy Pailey at IITG on efficient adders and multipliers with respect to propagation delay and Area and Power consumption.

Education

Cochin University of Science and Technology

Btech, Electrical, Electronics and Communications Engineering · (2017 - 2021)

Cochin University of Science and Technology

Btech, Electrical, Electronics and Communications Engineering · (2017 - 2021)