

Kowsika Sridharan

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Chennai, Tamil Nadu, India

In/kowsika-sridharan

Limen nook

Profile

As a curious postgraduate in physics and aspiring to learn further advanced energy conversion, quantum physics, and particle physics, I am at the forefront of expanding my interest in research on energy storage and continue to work on energy efficiency a persistent drive to improve society's sustainability.

Education

M.Sc . Nuclear Physics, University of Madras ✓

2021 – 2023

GPA: 7.0/ 10 .0

B . SC . Physics, Chevalier T . Thomas Elizabeth college for women ✓

2018 – 2021

GPA: 9.54 /10.0

- Ranked 2nd During study 2018 - 2021
- Best outgoing student from the department of physics
- Ranked 1st in Major During 2019 - 2020.
- Member , Consumer club
- Member , Speaker forum
- Member , Ellita debate club

HSC, Fatima Matric Higher secondary school

03/2018

- Average : 80 %
- Member , science club

SSLC, Fatima Matric Higher secondary school

03/2016

- Average : 83 %
- Prizes in English poetry

Work Experience

Short term intern, STPIP – 2022 - university of Madras

07/2022 – 08/2022

Projects and presentations

Attenuated Total Reflectance Spectroscopy, RTMSN - 2020

02/2020

Paper presented at National Seminar on Recent Trends in Material Science and Nanoscience

Sustainable Plastic Development in Biorecycling of Diary Products

02/2019

UG project

Environmental , green materials and ultrasonic, Synthesis and Characterization of NOVEL MATERIALS

10/2020

at Muthurangam Govt college

Nanocompostie of Cu₂CdSnS₄ : NiO composition of thermoelectric applications

01/2023

M.Sc Final year Dissertation , University of Madras

Thermoelectric properties investiagation of Cu₂CdSnS₄ / NiO in energy filtering

Paper work being Processed for Publication

Certifications

Machine learning onramp, Mathworks

2020

C - training spoken tutorial project, Indian Institute of technology - Bombay

2020

ICT acadmy courses, New India learnathon

2020

Deep learning onramp, Mathworks

2020

Intern, DBT Foldscope - Assembly and usage

08/2019

by MHRD

Technical writing, freelance

01/2022 – 12/2022 | Chennai, India

content writing/Proofreading, Advert agency

01/2023 – 03/2024 | Chennai, India

Research Intern, TEEP program at National Changhua University of Education

05/2024 – 11/2024 | Changhua city, Taiwan

Research on energy efficiency of pervoskite managnites material in thermoelectric

content writing, freelance

11/2024 – 01/2025 | Chennai, India

Languages

Tamil

Native

English

Fully proficiency

Hindi

Pratham exam , Limited

French

Elementary proficiency

Chinese

Beginner

Computer skill

Ms . Office

Machine learning

Cybersecurity essentials

Graphic design

C++

Master's course

Origin software

Image software

Expo2014

Java script

Automotive body designing process, Sky rider institution

2020

Training on safe and nutritious food, Consumer association of India

2019

Edge on course, Learning management system Edmodo

2019

Pratham examination, Dakshina Bharat Hindi prachar sabha

2014

Mark obtained : 75 %

Synthesis and Investing Thermoelectric Properties of $La_{1-x}Ca_xMnO_3$, Teep Program (Taiwan Experience Education Program)

05/2024 – 11/2024

Intership under the supervision of Prof.Chia-Jyi Liu, Department of Physiscs , NCUE Changhua , Taiwan

Personal blog

To keen my interest in writing as a daily basis of my extensive knowledge about feminine, physics , books and etc, Limen nook [↗](#)

Publications

Nanocompostie of Cu_2CdSnS_4 : NiO composition of thermoelectric applications, University of Madras

2023

Working on Dissertation to paper work

Paper in Science Behind the Dark Matter, Physics club

2020

Chevalier T. Thomas Elizabeth college for women

Understanding of universe, Poster publication , physics club

2020

Current undertakings

Introduction to particle accelerator

Lundu University - COURSERA

Density functional theory

École polytechnique - COURSERA

Other Interests

Writing poems and stories

Reading

Photography

Swimming

Accomplishments

**C. T. T. E Alumnae Merit scholarship, Chevalier
T. Thomas Elizabeth college for women**
2022

**Outstanding participant,
C.T.T.E speakers forum**

2020 – 2021

**Joint Admission Test for Masters 2021,
Indian Institute of science Bangalore**

2021

All India rank : 5079

**Runner in words of Intuition,
Vaishnav college, RADIATE'22**

2022

**Physics club , Ellita club winner and runner,
Chevalier T . Thomas Elizabeth college for
women**

2018 – 2021

Debate

Oratorical

Essay writing

Presentation

**Winner in poster making,
GGDSD college Chandigarh , BOSONS'20**

2020

Winner in presentation, ACCO' Fest

2019

**Winner poster presentation,
S . I . E. T college , CORONA ' 19**

2019