

TULASI ANANTHARAMAKRISHNAN

<https://tulasianantharamakrishnan.com/>

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EDUCATION

American International School (AISC), Chennai

- **IB Diploma** : HL Subjects : Mathematics (Analysis and Approaches), Physics, Economics 2021 - 2023
SL Subjects : English (Language and Literature), Spanish (Ab-initio), Chemistry
- **AP Psychology (5/5)** 2020 - 2021
- **American High School Diploma Program** 2019 - 2023

ACADEMIC HONORS AND ACHIEVEMENTS

- **Member, National Honor Society (NHS)** 2021 - present
- **Winner, CREST Gold Award (STEM), UK** 2022
- "How to detect the presence of Hexavalent Chromium in the work zone using IoT based systems"
- **1st Prize winner, National History Day (NHD) Contest Regional Level (Asia)** 2020
- Qualifier for Nationals (NHD, Washington DC)
- **AISC Vision of a Learner Award, Physical Education (PE)** 2019

RESEARCH

Student Researcher, IP Rings Limited, Chennai

2022

- Identified an opportunity to develop an automated solution using light sensors and IoT systems and worked with a team to implement it.
- Authored a paper titled "How to detect the presence of Hexavalent Chromium in the work zone using IoT based systems".
[Crest Gold Award – \(Cr\(VI\)\) Detection](#)

Research Scholar, Lumiere Education

2022

- Mentor: Mauricio Hernandez, a PhD student at Duke University
- Researched and authored a paper on the topic "In what ways can manufacturing losses that are measured and displayed using digital dashboards be reduced using statistical techniques."

Research Intern, Indian Institute of Technology – Madras (IIT-M)

2021

- Observed an energy assessment audit of a manufacturing plant
- Collected and analysed data for a research project on the topic "How can air, water and heat consumed in the form of electricity and measured through an energy assessment audit, be identified and reduced."

Research Fellow, Young Leaders for Active Citizenship (YLAC)

2021

- Co-authored a research paper on "Sustainable urban transport to reduce congestion and pollution"
- Analysed policies, budgetary allocations and gaps in the non-motorized transport industry in India, using Bangalore as a case study; published in IJARIT

INTERSHIPS

Intern, Jidoka Technologies - a company that combines AI with automation to deliver cognitive inspection of defects

2022

- Learnt the principles behind using vision technology to segregate manufacturing defects.
- Trained a model to differentiate between dogs, cats, panda bear and clown fish using PYTHON programming.
- Worked with a team to develop a proof of concept to segregate manufacturing defects in gears.

Intern, IP Rings - a leading manufacturer of auto-components in India

2021

- Observed and worked with a team on a value engineering project
- Collected data and learnt to calculate process capability to ensure the stability of the new process.

DANCE ACHIEVEMENTS

Trained as a Bharatanatyam (oldest classical dance tradition in India) dancer- for the last 12 years

2010-present

- Assistant Dance Teacher to elementary school children, After School Activities (ASA), AISC 2020-present
- As a cultural ambassador, introduced Indian culture and dance forms to my international peers by organizing a first of its kind Diwali Mela 2022
- Choreographed dance performances during Discovery Day, CABARET, and Lit Day in school 2022
- Completed my Arangetram, a solo debut performance on completion of several years of training 2019
[Bharatanatyam - Arangetram Excerpts](#)

SCHOOL LEADERSHIP & CLUBS

- Founder, Career X Women, AISC** 2022 - present
- Provided students with an opportunity to interact with women business leaders
 - Organised visits to their workplace and facilitated internships
- Vice President, Math Matters Club, AISC** 2019 - present
- Created lesson plans and taught Math to children from Hope Foundation
- Member, SAGE, Sex and Gender Equality, AISC** 2019 - 2020
- Helped build a gender neutral restroom at school

COMMUNITY OUTREACH

- Co-Founder, Care For Chennai, Chennai** 2020 - present
- A foundation started during the outbreak of COVID-19 focused on improving the lives of the underprivileged.

Care for Chennai

- Raised over ₹ 500,000 to fund different projects under the Care for Chennai umbrella

- Project - Shakti** 2021 - present

- Empowered 50 women to become home entrepreneurs by providing them sewing machines and setting up a vocational training centre (sewing courses).
- Created a digital platform where the Shakti trainees could exchange ideas, concepts and learn how to market and sell their products.
- Collaborated with 2 corporates to raise funds for Project Shakti.

- Project - Rhythm of Life** 2020 - 2022

- Taught dance, mindfulness and other forms of movement to improve the physical and mental wellbeing of 16 young girls at Jeevarachanai Orphanage
- Choreographed and led a traditional dance performance of the girls celebrating the 75th year of Indian independence (Colours of Freedom) and raised money (₹250,000) towards their education.

- Wear a Mask Project** 2020

- Made and distributed over 10,000 masks during the COVID pandemic.
- Conducted virtual lessons on mask making for differently abled women at J-Rehab Centre with the aim of empowering them.

SUMMER PROGRAMS

- **Data Analytics and Math Applications with Microsoft Excel**, Course Leap 2020
- **Introduction to Logic and Critical Thinking**, Duke University, Coursera 2019
- **Aspen Leadership Program (The Sriram Anantha Aspen Leadership School)** 2019

VARSITY SPORTS

- **Team Member, AISC Varsity Volleyball Team** 2019 - 2020, 2022 - 2023
 - SAISA Volleyball Team, Third prize Winner
- **Team Member, AISC Varsity Tennis Team** 2019 - 2020
 - SAISA Tennis, Individual Gold Medal Winner
 - SAISA Tennis Team, Second Prize Winner

SKILLS AND INTERESTS

- **Languages** : English, Hindi, Tamil
- **Interests** : Skiing, Scuba Diving, Cooking, Travelling, Dance, Trekking