

Vennila Vilvanathan

· HUMAN-COMPUTER INTERACTION DESIGNER ·

No. 58, 4th street, DAE Township, Kalpakkam - 603102 Tamil Nadu, India

☎ (+91) 8870324609 | ✉ vennila.vilvanathan@gmail.com | 🏠 vennilavilvanathan.github.io | 📺 [vennila-vilvanathan-b96963114](https://www.youtube.com/channel/UCv96963114)

Personal Profile: Aspiring Human-Computer Interaction Designer seeking an opportunity to work in the intersection of arts, emotion, and technology. Highly creative individual and enjoys bringing original ideas to the table aimed to stretch the boundaries of user's experiences in her thoughtfully crafted designs.

Education

Human Computer Interaction Design

UNIVERSITY OF TWENTE - UNIVERSITY OF PARIS SACLAY

- Double Degree in Masters of Science

Netherlands and Paris

2019-Present

Electrical and Electronics Engineering

AMRITA VISHWA VIDYAPEETHAM

- Bachelor of Technology
- CGPA: 8.24/10
- Graduated in First Class With Distinction

Coimbatore, India

2012-2016

Higher Secondary School Examinations - Class XII

CENTRAL BOARD OF SECONDARY EDUCATION

- Percentage: 85%

Chennai, India

2010 - 2012

Secondary School Examinations - Class X

CENTRAL BOARD OF SECONDARY EDUCATION

- CGPA: 10/10

Kanchipuram, India

2009 - 2010

Experience

Digital Fabrication Instructor and Education Researcher

MAKER EDUCATION AND MAKERSPACE

- Research on design education in rural Indian schools
- Create a curriculum using Scratch programming for middle school students in rural schools
- Conduct LEGO workshops for children and teachers
- Setting up the Makerspace to improve its usability and aesthetics.

Kerala, India

2017 to 2018

Publications and Projects

Co-Author

*Tenth IEEE International Conference
on Technology for Education (T4E)*

I CAN ALSO MAKE ROBOTS! INSPIRING RURAL INDIAN CHILDREN TO LEARN ROBOTICS

2019

- Designing a low-cost educational package for teaching robotics to secondary school students in rural India to motivate youth interest in learning STEAM subjects

Co-Author

*FabLearn Europe conference on
Creativity and Making in Education*

AIM FOR THE SKY: FOSTERING A CONSTRUCTIONIST LEARNING ENVIRONMENT FOR TEACHING MAKER SKILLS TO CHILDREN IN INDIA

2018

- Research on teaching STEM concepts through experiential learning in rural schools.

Co-Author

*Ninth IEEE International Conference
on Technology for Education (T4E)*

ALL ABOARD FOR THE JOY OF MAKING! TEACHING USER CENTERED DESIGN AND TINKERING TO MIDDLE SCHOOL
CHILDREN IN INDIA

2018

- Study on teaching user-centric design to middle-school children in rural schools.

Co-Author

*27th IEEE International Symposium
on Robot and Human Interactive
Communication (RO-MAN)*

TECHNOLOGY ACCEPTANCE, SOCIOCULTURAL INFLUENCE AND GENDER PERCEPTION OF ROBOTS: A HUMAN ROBOT
INTERACTION STUDY WITH NAIVE USERS IN RURAL INDIA

2018

- A feasibility study to investigate the technological acceptance and social perception of a robot helper in rural India

Co-Author

*IEEE International Conference on
Human-Robot Interaction*

HRI – "IN THE WILD" IN RURAL INDIA

2018

- A feasibility study to investigate the technological acceptance and social perception of a robot helper in rural India
- [BBC News link](#)

Extracurricular Activity

EIT Digital Academy Winter School

Eindhoven, Netherlands

WINNER 2020

2020

- Proposed and prototyped a mobile application to bring students with similar interests together in social events

Eye Catcher - Art Installation

Enschede, Netherlands

STUDENT PROJECT IN DESIGN LAB

2019

- Gained experience to plan and implement the art work

World Robot Olympiad

Kerala, India

LEGO TOURNAMENT

2017

- Gained experience in understanding children and teaching them engineering concepts in interesting ways.

Pragyan and ANOKHA Tech Fests

Tamil Nadu, India

NATIONAL INSTITUTE OF TECHNOLOGY AND AMRITA UNIVERSITY

2012-2016

- Actively participated and won prizes in competitions

Amrita Electrical and Electronics Engineers club

Coimbatore, India

MEMBER

2012-2016

- Participated in workshops like Pspice and gained in-depth knowledge in electronics
- Organised workshops for students on Arduino boards

Amrita Club for Entrepreneurship

Coimbatore, India

MEMBER

2012-2016

- Gained expertise in circuits by working on projects with co-entrepreneurs
- Gained knowledge on business strategy areas and insights from established business (wo)men from weekly sessions.

Aagneya - Amrita Sports Club

Coimbatore, India

MEMBER

2013-2016

- Participated in various shuttle badminton and athletics tournaments from south-zone level to university level.
- Organised marathons to create awareness for blood donation.

Honors & Awards

Present	Student Scholarship , EIT Digital Master School Scholarship	<i>Netherlands and Paris</i>
2014	Outstanding student award , Electrical and Electronics Engineering Department in Amrita Vishwa Vidyapeetham	<i>Coimbatore, India</i>
2014	College Sports Vice-Captain , Amrita Vishwa Vidyapeetham	<i>Coimbatore, India</i>
2010	Student Scholarship , Nuclear Power Corporation of India	<i>Kanchipuram, India</i>

Skills

Creativity, Innovation
Human Centered Design, Design Thinking
Solid Works, 3D Modelling
Fusion360, 3D modelling
Digital Audio Workstation, Sound Design
Research and working with children, Education research
Electronics, Circuits and wiring
Arduino, Embedded Systems
C/C++, Programming