



IIITDM
KANCHEEPURAM

SHRADDHA SHUKLA

+917000713717
evd18i023@iiitdm.ac.in

EXPERIENCE

Intern	NIT Trichy	December 2022
---------------	-------------------	----------------------

- Analysis of Intelligent reflecting surface systems in presence of interference
- Applications of Machine Learning in B5G Wireless Communications
- Under the guidance of Dr. Sudharsan Parthasarathy

Intern	SMart and Innovative Laboratory for Energy devices (SMILE)	May – Sep 2022
---------------	---	-----------------------

- Worked on Wearable technology dealing with Nanodevice
- Used Flexoelectric and Thermoelectric material to make generator
- Explored about Bismuth Telluride to understand and use it as a substrate for the Flexothermoelectric Generator module
- Under the guidance of Dr. Pandiyaransan Veluswamy

Intern	ABV-IIITM Gwalior	May - July 2019
---------------	--------------------------	------------------------

- Summer Internship 2019 in ABV-IIITM Gwalior, under the guidance of Dr. Anurag Shrivastava, Computational Nanoscience and Technology Lab (CNTL)
- An attempt was made by an experiment to find out Diameter dependent Bandgap analysis of Carbon and CdS Nanotube

Intern	MITS Gwalior	May - June 2018
---------------	---------------------	------------------------

- Summer Research Project in the area of Microprocessor and Interfacing Techniques, under Professor Vikas Sejwar at MITS Gwalior
- To interpret, analyze, verify and troubleshoot microprocessor circuits and interfacing using appropriate techniques and test equipment

EDUCATION

Chennai, India	IIITDM Kancheepuram	2019 - 2024
-----------------------	----------------------------	--------------------

- CGPA 6.96 B. Tech. Electronics and Communication Engineering with specialization in Design and Manufacturing M. Tech. VLSI & Electronic System Design (EVD)
- Courses: Analog IC Design, VLSI Testing and Testability Design, MOSFET Modelling for VLSI Circuits
- Volunteer of cultural event Samgatha and technical event Vashisht
- Extracurriculars
IIITDM Book Club Coordinator(2020-21)
LiGHT Chennai Volunteer(2020-21) Centre Team Member (2021-2022)

Ebenezer Higher Secondary School

Gwalior, India	2017
-----------------------	-------------

- Class 12th 87.6% CBSE Board
-

Gwalior, India

- Class 10th 9.4 CGPA CBSE Board

Projects

- Smartphone Charging Controller with the help of Arduino
- Rain Fuel Generator using Triboelectric Nanogenerator
- Mobile Application for Depression
- **Operating System** : Windows, LINUX

ADDITIONAL EXPERIENCE AND AWARDS

- Winner in IDEATHON on Sustainable Development goals
- Won Silver in Inter-department tennis tournament

TOOLS AND TECHNOLOGIES

- C++; C; Java; Python
- Visual Studio; Arduino; MATLAB; Mathematica; Cadence; Verilog