Melissa Rosa Ranjith

EDUCATION

- **B.Tech Electronics and communication engineering**
  CGPA – 6.86 / 10   **2019-2023**
Amrita Vishwa Vidyapeetham
- **Class 12** – 88%   **2019**
Institution: Avila convent matriculation higher secondary school
- **Class 10** – 100%   **2017**
Institution: Avila convent matriculation higher secondary school

TECHNICAL INTERESTS

- Analog electronics
- Digital Communication

PROJECTS

- Topic: Water level indicator (four LED)
  Duration: one month
  Objective: Automatic controlling of water level while filling the container
  Tools or techniques used: IC4066 is used as a switch
  Outcome: As the water reaches its top most position the transistor switches, the buzzer indicating that the container is full

- Topic: conversion of sound to electricity

  Duration: one month
  Objective: To convert the surrounding noise into electric energy
  Tools used: step up transformer, diode IN4007, resistors, led
  Outcome: the surrounding noise is captured using the microphone or speakers acting as transducers produces electric energy to glow the led.

INTERNSHIP

- Organization/Location: Hindustan Aeronautics Limited (HAL), Bangalore
  Duration/Period: 3 weeks
  Tools and techniques used: Studied about the engine displays and the hardware and software used in it, also did a circuit simulation using the Tina software.
  Outcome: Different types of avionics display system was analyzed and their functionalities are also studied.

CERTIFICATIONS

- Course: Applied data science using python
  Period: 2 Months
  Skills: python proficiency

LANGUAGES

- English
- Malayalam
- Tamil
- German

HOBBIES

- Writing
- Baking
- Watching movies