

# MELISSA SEQUEIRA

Maharashtra, India | [Github](#) | [melissasequeira572@gmail.com](mailto:melissasequeira572@gmail.com) | [LinkedIn](#)

## EDUCATION

### Fr. Conceicao Rodrigues Institute of Technology

Bachelor of Engineering, Information Technology (Honors in Artificial Intelligence and machine learning)

Cumulative GPA: 9.92

Vashi, MH

2022-2026

### Ramanand Arya DAV College

HSC-Science

Percentage: 90.5%

Bhandup, MH

2020-2022

### Holy Cross Convent High School

SSC

Percentage: 89%

Thane, MH

2008-2020

## WORK EXPERIENCE

### IISER

Project Intern

Mohali, PJ

July 2024-Present

- Working on a project for **Fake Currency Detection** aimed at assisting visually impaired individuals.
- Developed a machine learning model utilizing **Convolutional Neural Networks (CNN)** for currency classification.
- Integrated TensorFlow and Python to ensure real-time detection accuracy.

### Codesprint Technologies

Python Developer Intern

Thane, MH

July 2024 – Aug 2024

- Built Python-based desktop applications using **Tkinter** to enhance user interface designs.
- Designed and developed data-driven applications for automating repetitive tasks.

### Meta Craftlab

Web Developer Intern

India

June 2024-July 2024

- Created an **Instagram clone** using **HTML, CSS, JavaScript**, and **SvelteKit** as part of a web development internship.
- Applied responsive design principles to ensure optimized user experiences across multiple devices.

## PROJECTS

### VaaniConnect-Sign Language to voice transcriber

Aug 2024

- Developed a transcriber for **American Sign Language** using **Python** and **Machine Learning**.
- Trained the model using **TensorFlow/Keras** and improved accuracy with real-time prediction optimizations.

### Personal Portfolio

May 2024

- Designed and developed a responsive personal portfolio using **HTML, CSS**, and **JavaScript** to showcase projects and skills.

### VogueVista-Ecommerce Website

Feb 2024

- Built a **responsive e-commerce platform** using **HTML, CSS**, and **JavaScript** to showcase and sell fashion products.

### Compliance Support System

Jan 2024

- Created a platform using **Python** and **Flask** to automate legal and compliance tasks for businesses.

### Campus Event Management System

Dec 2023

- Implemented using **HTML, CSS, Javascript**

## HONORS AND AWARDS

### Second Year Engineering in Academics

Oct 2024

- Achieved 1st rank overall in academics for second-year engineering.

### Summer Project 2024

Aug 2024

- Secured 1st prize for the implementation of *VaaniConnect*, a sign language to voice transcriber.

### Techsparks'24 - Intercollegiate Project Competition

Feb 2024

- Awarded 3rd place for presenting *VaaniConnect* at an intercollegiate competition.

### First Year Engineering in Academics

Oct 2023

- Ranked 3rd overall in academics for first-year engineering.

### HSC in Academics

Dec 2022

- Achieved 1st Rank in both 11th and 12th Science stream

## PUBLICATIONS

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Eighth International Conference on Artificial Intelligence and Soft Computing – AISC

Nov 2024

[link](#)

- Published a research paper on **Fake Currency Detection for Visually Impaired Individuals** using **CNN models**.

## SKILLS

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- **Languages:** Java, C, JavaScript, Python
- **Databases:** MongoDB, MySQL
- **Frameworks:** React.JS, Node.JS, Express.JS
- **Operating Systems:** Linux, Windows
- **Developer Tools:** Git, Github
- **UI/UX tools:** Figma