

MELISSA SEQUEIRA

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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

- Developing a CNN-based fake currency detection model to assist visually impaired individuals using TensorFlow and Python for real-time detection.

Codesprint Technologies

Python Developer Intern

Thane, MH

July 2024 – Aug 2024

- Built Python desktop applications with Tkinter, automating repetitive tasks and enhancing UI designs.

Meta Craftlab

Web Developer Intern

India

June 2024-July 2024

- Developed an Instagram clone using HTML, CSS, JavaScript, and SvelteKit with responsive design for multi-device optimization.

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.
- Advanced using **MongoDB**, **ExpressJS**, **ReactJs** and **NodeJs**.

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

- 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**.
- 1st International Conference on Emerging Trends in Computer Science and Engineering ICETCSE** Mar 2025
[link](#)
- Published a research paper on **VaaniConnect-Sign Language to voice transcriber** using **CNN models and computer vision**.

HACKATHONS

- Mytra: HackerRamp Hackthon** Jul 2024
- This was our first online Hackathon.
- Smart India Hackthon** Aug 2024
- Selected as one of the Top 5 teams in the internal hackathon for Smart India Hackathon 2024.
- Hackquinox** Feb 2025
- Selected as one of the Top 8 teams in Hacquinox 2025.
- CodeCrafters Hackathon** Mar 2024
- Finalist in CodeCrafters 2025.

SKILLS

- **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