

Balambika B

 [linkedin.com/in/balambika-baskaran](https://www.linkedin.com/in/balambika-baskaran)

[balambikabaskar@gmail.com](mailto:balambikabaskar@gmail.com)

+91 8940587482



## Education

Qualification	Institution	Percentage/CGPA	Year of passing
B.Tech - ECE	SRM Institute of Science and Technology, Tiruchirapalli.	8.71	2025
HSC	Sir Sivaswami Balavidhyalaya Matric Higher Secondary School, Thirukattupalli.	89%	2021
SSLC	Sir Sivaswami Balavidhyalaya Matric Higher Secondary School, Thirukattupalli.	87%	2019

## Technical Skills

- Embedded systems
- C language
- Python
- HTML
- CSS

## Internships

**Internship on Embedded Systems, Uniq Technologies, Coimbatore:** During this internship, I acquired skills in embedded systems and developed a project named Line follower robot.

**Internship on Python Programming, Vault of Codes (virtual mode):** I strengthened my knowledge of Python programming during this internship.

**Internship on Front-End fundamentals, Marcello Tech (Virtual mode):** During this internship, I learned the fundamentals of front-end web development.

**Internship on Web development, CodSoft (Virtual mode):** I improved my skills in HTML, CSS, and JavaScript by creating my designs during this internship.

## Projects

Year	Entity	Project title	Details
2024	Project expo	Guido	An obstacle detection device for the visually impaired using an ultrasonic sensor. It detects obstacles at three levels (head, hip, and foot) and provides three types of indications using a buzzer.
2024	6th-semester project	Hand Gesture Presentation	This machine-learning-based project uses an OpenCV module to control a PPT presentation using hand gestures.
2023	Project expo	Wireless water tank monitoring and control	An IoT-based project that monitors the water level in a tank and controls water input by managing the power supply to the motor.

## Languages known

- Tamil
- English
- German

## Co-Curricular

Published a paper on “Photonic Crystal Ring Resonator High-Speed Optical Switch” in the IEEE journal in 2024.

## Extra-Curricular

Participated in IDC MUN (online): Representing Black Panther in the Marvel Cinematic Universe committee crisis and I learned the importance of negotiation, debating, and forming alliances.