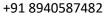
Balambika B

in linkedin.com/in/balambika-baskaran balambikabaskar@gmail.com





Education

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

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	Hand Gesture	This machine-learning-
	project	Presentation	based project uses an
			OpenCV module to
			control a PPT presentation
			using hand gestures.
2023	Project expo	Wireless water tank	An IoT-based project that
		monitoring and control	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.