

BIODATA

Name: E. Devipriya

Email: devipriyaer@gmail.com

Languages Known: English, Tamil, Hindi

Address: Finolex Colony, Ratnagiri

Career Objective

To contribute to the field of technological services using innovative strategies and technical expertise, fostering growth, creativity, and sustainable solutions.

Academic Qualifications

Qualification	Institution	Year	Percentage
M.E (Applied Electronics)	C.K. College of Engineering & Technology, Cuddalore	2024	86%
B.E (Electronics & Communication Engineering)	Krishnasamy College of Engineering, Cuddalore	2009	72%
H.S.C	St. Mary's Matriculation Hr. Sec. School, Cuddalore	2005	82%
S.S.C	St. Anne's Girls Hr. Sec. School, Cuddalore	2003	90%

Professional Experience

- **Lecturer**, GCOP, Ratnagiri (April 2021 – Present)
 - **Lecturer**, GCOER, Ratnagiri (August 2024 – Present)
 - **Embedded Software Engineer**, JDNET TECH PVT LTD, Cuddalore (Dec 2009 – Apr 2012)
 - 3 years of experience in Embedded domain
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Technical Skills

- **Languages:** Embedded C, C, C++, Python
 - **Platforms/Tools:** KeilC51, PIC C Compiler
 - **Hardware Interfaces:** LCD, Keypad, Stepper Motor, ADC, Sensors, RF, Relays, etc.
 - **Areas of Interest:** Basic Electronics, Power Electronics, VLSI, DSP, Signals & Systems
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Projects

1. **Audio Watermarking for Covert Communication**

Tools: AT89C51, PIC16F877A

Description: Hardware-based secure audio transmission using chirp signals.

2. **Remote Sensing and Irrigation Control**

Tools: Wireless sensors, RF modules

Description: Smart irrigation using field sensors and automated systems.

Publication

- Paper: *Enhanced Ship Detection in Satellite Imagery using YOLOv4 with Feature Fusion and Channel Correlation Loss* – Accepted in JBS, Vol 24, Issue 8, 2024
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Patent

- Design for Brush Biopsy Device for Early detection of Oral cancer
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Strengths

- Skilled in debugging and testing
 - Good communicator and fast learner
 - Adaptable, innovative, and self-motivated
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