

# Aparna Suresh

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First-year BTech Electronics and Communication student at MACE Kothamangalam, with a growing skill set in full-stack web and mobile app development. Experienced in prototyping and developing hardware-based solutions using Arduino and ESP modules. Passionate about bridging the gap between hardware and software to build impactful tech solutions. Actively seeking internship opportunities with startups or early-stage companies to contribute and grow in a dynamic environment.

## Education Qualifications

Program	Institution	CGPA	Completion
B.Tech(Electronics and Communicatuion.)	MACE Kothamangalam.	8.75/10	2028(expected)
Plus Two	KKTM GGHSS KODUNGALLUR	98%	2024
SSLC	THS PUTHENCHIRA	98%	2022

## Technical Skills

Programming Languages	C/C++, JavaScript, Python
Web Technologies	PHP, MySQL, HTML, CSS, DART
Hardware Skills	Arduino, ESP8266/ESP32, sensor interfacing, circuit prototyping, soldering, Arduino IDE, basic IoT systems

## Internships & Training

- **Internship in AI and Prompt Engineering at MACE KOthamagalal**

OCT-2024

- 5 Day online internship program by Accelerate X, Kochin in colloboration with Google AI Studio.

- **Flutter App Development, Workshop conducted by ICTE Mace and Self learning**

## Academic Projects

- **Locodre –A Retail Support App**
  - Currently working on 'Locodre,' a platform that enhances local retailers' business while optimizing customer experience.
  - Developed UI/UX and developing backend architecture using Flutter and Firebase.
  - Designing a seamless database structure for product availability and customer engagement
- **IV Infusion Line Backflow Prevention System**
  - Built a smart medical device using Arduino UNO and ultrasonic sensor to detect backflow.
  - Designed to monitor IV flow and alert when reverse flow is detected.  
Focused on enhancing patient care and safety in clinical settings.

## Additional Details.

- Participated in an 18 hour hackathon conducted by IEEE at CEK ,kollam and secured a good position.