

Aparna Suresh

8075125952

aparna777suresh777@gmail.com

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 KOTHAMAGALAM**

OCT-2024

 - 5 Day online internship program by Accelerate X, Kochin in collaboration 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.