

Rohit Jadhav

Software Engineer | Embedded Systems | IoT | Research and Development

+91 9637043382

jadhavrohit924@gmail.com

LinkedIn

Github

PROFESSIONAL EXPERIENCE

Software Engineer at Espressif Systems, Pune

Dec 2021 - Present

Matter (New Smart Home IoT Standard)

- **Open-source contributions**, providing support and guidance to community developers and internal teams via **GitHub issue tracking**, **code reviews**, and **automation scripts**.
- Delivered OTA (Over-the-Air) features, actively **deployed on ~1 million devices**, improving **performance**, **update speed**, and **device security by 20%**.
- Built a powerful tool **all-device-types**, actively used by multiple leading tech companies for **Matter testing and certification**, accelerating the **adoption of Matter standards by 50%**.
- Designed and maintained reusable **core clusters and data models** within Matter SDK, used across a wide range of smart appliances, offering **flexibility to manufacturers**.
- Developed and optimized Matter-based IoT solutions across multiple device categories—lights, switches, thermostats, sensors **powering next-gen smart homes**.
- Led **certification and compliance processes** for Matter devices with the **Connectivity Standards Alliance (CSA)**, accelerating product launches for Espressif's partners and clients.
- Developed high-impact demo applications and reference implementations showcased at global CSA events, instrumental in **securing major clients** and **accelerating product adoption** worldwide.

PERSONAL PROJECTS

EasyMart (Android Grocery Application)

- Designed and developed a dynamic grocery shopping app with real-time seller-buyer interaction and profile management.

LaunchPad (Web-Based Internship Portal)

- Built a web platform connecting alumni with students, integrating authentication, real-time messaging, and internship tracking.

Visual Assistant (AI-Powered Image Captioning System)

- Created an AI-powered model to generate natural language descriptions for images using deep learning techniques.

ACHIEVEMENTS

- Honored as **SDK Champion** by the CSA for pioneering contributions to the Matter standard, shaping the future of smart home ecosystems.
- **Solved 700+ problems** on different coding platforms **GFG**, **LEETCODE**, and **CODECHEF**.
- **411+ open source contributions** on GitHub, actively supporting developer communities.
- **2nd rank** in Retracer, MINDSPARK'19 (COEP) for exceptional problem-solving and debugging.
- **Finalist**, in Techgig Code Gladiators '20, placing among the top competitive coders nationally.

SKILLS AND INTERESTS

C	Python	Matter	Shell
C++	Git	Open Source	Embedded Systems
Java	Vim	Web Development	Scripting

EDUCATION

B.TECH in Information Technology <ul style="list-style-type: none">• Walchand College of Engineering, Sangli.	May 2022	8.7 CPI
Higher Secondary School Certificate <ul style="list-style-type: none">• ASCC, Rahuri.	Feb 2018	84.5%
Secondary School Certificate <ul style="list-style-type: none">• Vidya Mandir Prashala, Rahuri.	Mar 2016	90.4%