

# Jitesh Narayan Jadhav

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## Skills:

**Languages:** C, Embedded C, Embedded Linux.

**Protocols:** CAN, I2C, UART, SPI.

**Technologies & tools:** Git, Jira, Jenkins, Doors, Raspberry Pi.

**Testing & Debugging:** Code Review, Unit testing, Code coverage, debugging.

**Operating System:** Ubuntu, Windows, RTOS.

**Microcontroller-** ARM,8051.

## Work Experience:

**Continental Automotive Pvt, LTD. Bangalore** Sep 2021 - Dec 2023

**Software Engineer**

**Domain** – ADAS (Automotive)

**Project-** ARS540BW11

Emergency Brake Assist (EBA) automatically boosts braking force during emergencies when the driver doesn't apply enough pressure to help prevent or reduce collisions.

**Responsibility:** -

- Implemented **ADAS** features including Emergency Brake Assist System and addressed False Positive issues.
- **Collaborated** with cross-functional teams, ensuring smooth delivery of milestones for Volkswagen, resulting in a SPOT Award.
- **Created** a Python automation script, achieving an 80% improvement in verification time and accelerating use case comparison.
- Analysing false positive events in **Matchbox** and conducting unit testing and code reviews.
- **Eliminated false positives by 95%**, enhancing system accuracy and reducing safety risks.

## Personal Projects:

### **JARVIS 2.0: A Personal Assistant Robot (2020)**

**Tools** - Raspberry Pi, Arduino Uno, Google Assistant, Adafruit Raspbian OS.

- Developed **JARVIS 2.0**, a mobile robot with voice-controlled operation for electrical appliances, email sending, and music playback.
- Integrated **Raspberry Pi** for voice commands and **Arduino UNO** for motor control, including visual feedback with a dot matrix display.

### **Light Control Module using CAN protocol (2021)**

**Technologies:** Embedded C Programming, LPC2129, CAN Protocol

- Designed a system where **two ECUs** communicate via CAN protocol.
- One ECU transmits data frames, and the other responds by toggling lights and controlling left/right indicators.

## Education:

**B. Tech - Electronics And**

**telecommunication Engineering**

Sharad institute of technology college of engineering, Ichalkaranji.

June-2021

**CGPA - 8.80**

**Diploma In Electrical Engineering**

Latthe Education Society's Polytechnic

Sangli. May-2018

**Percentage -75.00%**

## Awards:

**SPOT AWARD**

- For my contribution and support to achieving our milestone with Volkswagen
- **Third Prize** in National Level Project Competition - 2021-2022

## Training & Certification:

**Advanced Embedded System Course |**

Vector India, Bengaluru (Oct 2021 – June 2022)

Completed online **Embedded Linux driver** Course

**Autosar Training |** Techno Scripts, Pune (June 2024 – Present)

## Coursework:

- Autosar
- UDS, Ethernet