

# Curriculum Vitae

**Ms. Anjali Akshay Tagare.**  
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## Objective:

To establish myself as a **Functional Safety Engineer** to secure challenging position in an organization where I can effectively contribute my Technical Skills.

## Experience:

### **Verolt Engineering PVT.LTD.Pune.(July2022-present)**

Engineer (Automotive Software)

- Strong knowledge about IBM DOORS.
- Responsible for deriving System Requirement Specification, System Fine Design, Requirement linking.
- Having knowledge about Requirement Engineering.
- Worked on HVAC System at client location.
- Strong knowledge about Automotive Systems.
- Strong understanding of functional safety standards, including ISO 26262, and experience in implementing functional safety processes and techniques.
- Proficient in hazard and risk assessment methods, such as FMEA, FTA, and HARA.
- Strong technical background in automotive and embedded systems.
- Excellent problem-solving skills and ability to work in cross-functional teams to achieve project goals.
- Strong technical knowledge in system architecture, requirements analysis.
- Proven ability to collaborate with cross-functional teams, communicate effectively, and deliver high-quality results on time.
- Proficient in system modeling and simulation tools, such as CAMEO system Modeler, Enterprise Architect, Simulink.
- Good understanding on Design pattern and SysML diagram.
- Good understanding on IBM DOORS, Requirement Engineering
- Experience in system testing and verification, including test plan creation, test execution, and test analysis.
- Knowledge of hardware and software components, and their systems.

### **Verolt Engineering PVT.LTD.Pune.(January2022-July2022)**

Intern at Verolt -Learning:

Verolt-Learning (January to June 2022): Completed 6 months internship in **Automotive systems** and **Automotive Electronic System ,Functional Safety.**

- Studied Functional Safety Standard ISO26262 - Part 1, Part2, Part3, Part4.
- Developed HARA document for Electric Vehicle (Compact -SUV)
- Developed DFMEA , Safety Goals, FSRs for Electric Vehicle
- Designed HARA , DFMEA, Safety Goals, FSRs for EV BUS.
- Developed FOTA for system up-gradation.

## Training and Certification:

- ✓ Completed 6 months internship in Verolt Learning - Functional Safety ,Automotive systems
- ✓ Completed 4 months course of Advanced Embedded System from Technoscript PVT. LTD. Pune.
- ✓ Completed 2 days training of Matrickz VAPT CAN Attacks Program
- ✓ Attended webinar of Automotive Functional Safety by SGS India PVT. LTD.
- ✓ Recent Trends In Electronics Communication Engineering Workshop by Keysight Technologies.

## Competencies :-

Micro -controller - 8051,PIC-18F4520, ARM7-LPC2148,Arduino,Raspberry Pi.

Programming Languages - C, Embedded C, Assembly Language, Python

Development Environment - Keil, MPLAB, Proteus,PyCharm,Visual Studio,Arduino IDE  
Protocols: I2C,SPI,CAN

## Projects:

### TechnoScript Projects:

#### BLUETOOTH based Home Automation System:

With the help of 8051 Micro controller ,designed home automation system. For Bluetooth connectivity to Micro controller Bluetooth Module FC05 is used. And using serial communication program for interfacing with home appliances like lamp, dc motor, led is done.

#### RFID Based Attendance System using Arduino:

Designed an RFID based attendance system using Arduino. First, store a set of RFID card data in system. When the person with the correct RFID card comes & swipes his RFID card, then the data stored on Thingspeak cloud in the card will get verify and will print data on LCD.

**M. Tech Final Year Project:** Analysis of billets of sugarcane quality using computer vision the production quantity of sugarcane is reduced by some diseases. Developed a system which analyze the billet quality using computer vision with the help of RPI 3B+,Camera.

#### M. Tech Second Year Project: Digital Hoarding Board

Based on Raspberry Pi interfaced with a display. For this project, developed one website and database by using PHP, MySQL and CSS for creating different types of styles in a website. And create a login page for the website with the help of PHP.

#### BE Final Year Project: Braille Language Converter Using Arduino

An Arduino based system interfaced with mobile Sensors, Relay, MAX 232. It is used in blind schools for learning purpose.

## Qualification:-

- ✓ M.Tech(2019) from Walchand College Of Engineering, Sangli in Electronics with 7.24 CGPA
- ✓ BE(2017) form ATS. Sanjay Bhokare Institute ,Miraj in Electronics and Telecommunication with 65%
- ✓ HSC from Willingdon College ,Sangli with 62.33% in 2013
- ✓ SSC from Kantilal Shaha Prashala , Sangli. In 2011 with 87.27%

**Personal Details:-**

Date of Birth - 2nd May 1996.

Nationality - Indian

Hobby - Travelling, Reading, Driving

Marital Status:Married

Languages known: English, Hindi,Marathi

Present Address - Undri, PuneSkills:- Hard

Working, Devoted, Self motivated,

Confident.

I hereby declare that the above written particulars are true ,the best of my knowledge andbelief.

Date: Place:

(Anjali Tagare.)