1. Which projects/courses/competitions/publications etc. have you done beyond your required coursework? \*

As a software engineer, I've worked on various projects and courses beyond my required coursework to broaden my skills and knowledge.

**PROJECTS**

1. On board charging system
2. Instrument cluster
3. Sound box
4. Okinawa
5. Electric vehicle wireless charging system

**COURSES**

1. Embedded C
2. Data Structures
3. Linux internals
4. FreeRTOS
5. Which core area did you have in your study or where do you see the focus of your studies (e.g. construction, materials, production, control, automatization, etc.)?

My core area of study and expertise lies primarily in software development and electronics and communication. I focus on designing and building software systems, applications, and platforms using various programming languages and frameworks.

1. If you have completed an internship - in which industrial area have completed the internship?

I have completed my internship in the eSTAR technologies OPC PVT LTD which is in automotive domain.

1. Which engineering software (CATIA, Matlab, etc.) you are familiar with?

I am familiar with the following software’s

1. MATLAB
2. MAPLAB
3. E2 Studio
4. STM32cubeIDE
5. IAR
6. KEIL
7. Give Proof of working experience/internships (automotive area).

Embedded Software Engineer with 2.5+ years of experience in the Automotive domain. Specialized in the design and development of software platforms for various product lines such as Instrument Clusters, Ev SoundBox, Lighting, OnBoardChargers etc.,

Embedded Software Trainee with 0.6 years of internship in the Automotive domain.

I have learned about communication protocols such as LIN, UART, SPI, I2C, and CAN(Basics), and Worked on 16 and 32-bit controllers.

 Document -> “Sandhya\_Eperiance\_Certificate”

1. Give proof of Project reports in automotive relevant area.

I have worked on multiple projects in the automotive domain. Among those projects, I have provided the project report for one of them, which is the instrument cluster. This project involves developing an advanced instrument cluster using the STM32H735IG-DK microcontroller to integrate and enhance the functionalities of odometers and speedometers in vehicles

 Document -> “ Sandhya\_ProjectReport”

1. Give proof of the Topic of final thesis (area automotive).

I have provided the thesis on the Instrument Cluster.

 Document -> “ Sandhya\_Thesis”