YALLAMPALLI NAVANEETHA

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Profile summary:

Completed Advanced Diploma in Embedded Systems at Radar Technical Center India Private Limited, Bangalore.

Having hands on experience in C Language, Data structures, Embedded C & Linux.

Good exposure to Device drivers and Data Converters development with various

protocols such as RS-232, RS-422, RS-485, 12C, SPI, CAN. Good knowledge of Arduino and Pcb designing.

Experience:

**Project Developer – Embedded Systems**

*Datapoint it & Hardware tech pvt ltd, Hyderabad | Sep 2023 –Apr 2025*

* Developed and programmed microcontroller-based projects using C and Python.
* Worked on IoT solutions integrating sensors and communication modules.
* Designed and simulated PCBs for embedded systems applications.
* Collaborated with teams to deliver end-to-end project solutions.

Academic Qualification:

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| Qualification | Institution | University/Board | Year of Passing | CGPA |
| B.Tech(ECE) | Mother Theresa  Institute of  Engineering and  Technology | JNTU-A | 2023 | 8.05 |
| Intermediate | SPW Junior college | Board of  Intermediate,  Andhra pradesh | 2019 | 9.32 |
| ssc | APSW RES Girls  School | Board of  Secondary  Education | 2017 | 9.3 |

Technical skills:

Programming Languages : C programming language, DataStructures ,Embedded C.

Os : Linux(basics).

Tools Used : Arduino IDE , Keil 4.0, proteus.

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| Micro-controllers | :LPC2148,ArduinoUNO,8051,ATMega328 |
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| Communication protocols | : UART,SPI,I2C,CAN,  (RS232,RS422,RS485). |
| Additional skills | : PCB designing,basics of Autocad. |

Extra skills:

* Good social communication. good presentation & coordinate skills.
* Ability to work independently with end to end implementation.
* Flexible to adapt any environment.

Project Work:

* Project Name: RFID Based Shopping Cart.

The Main objective of our project is to follow queue through the billing process in present day shopping system which is time consuming.hence this project aims to reduce the average time spent by the customer at the shopping mall by implementing automatic billing system using RF id technology.the main aim of the project is to satisfy the customer and reduce the time spent on the billing process.

* Hardware Components:Node MCU ESP8266,IC 7805 Voltage Rgulator, LCD 16\*2,RFID Reader,RFID tag,PUSH button.
* Tools:Keil 4.0,Proteus.

College Project Work:

* Project Name : Linear Precoding Algoritham Based on 5g Mobile technology.
* The main objective of our project is to make comparision between the existing techniques and the proposing technique in minimizing interference. so, we made a comparision between some of the techniques on the basis of Bit-Error Rate and SINR.
* Software Requirements: Matlab R2020a.

Personal Details:

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| **Name :** Y Navaneetha  **Date of Birth :** 26/05/2002 |  |
| **Gender :** Female **Marital status :** Unmarried **Languages Known :** English,Telugu  **Natonality :** Indian **Hobbies :** Coding,Gardening  **Address:** Kondayyagaripalli(V), Chowdepalli(M), Chittoor(D), 517247  Declaration:  I hereby declare that the details above are correct and true to the best of my knowledge.  Place : Signature  Y Navaneetha |  |
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