Name

Address

Pincode

Email-ID

**Career Objective:**

To take a high performance and challenging role in Embedded and Machine Learning where my track record skills ,abilities, and technical abilities are utilized. Through these skills develop advance and good projects, through strong my strong analytical ,programming and debugging skill.

**Educational Qualifications:**

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Degree/Examination | Instituation/Board | CGPA/Percentage |
| 2016-2020 | BE-ECE | Chandigarh University | 8.2 |
| 2016 | Twelfth | Army Public School ,Chandimandir | 72% |
| 2014 | Tenth | Army Public School ,Chandimandir | 8.8 |

**Training:**

**Embedded systems and ARM training** (1234 Technologies -Sector xzcv, Chandigarh)-Learned about ARM with NXP LPC series of microcontrollers on mbed arm and python programming, also learned about 8/16/32 bit microcontrollers programming using embedded C.

**Skills:**

* **Embedded Systems:** ARM Cortex-M series Microcontrollers using Mbed Arm, Arduino,Raspberry pi ,STM32 Series MC ,Keil ,GCC , Communication Protocols (I2C,SPI,UART,CAN)**,Autosar.**
* **Real-time Systems:** FreeRTOS,Vxworks**.**
* **Robotics:** ROS, Machine learning,SLAM,Control Systems.
* **Machine learning:** Python ML Libraries(Scikit-Learn, Keras,Tensorflow), Python Data Science packages (Pandas,Numpy, matplotlib)
* **Programming:** C, C++(Embedded C), Python, Java
* **Linux**: Os concepts, IPC’s, Sockets, Basic Commands, multi-Threading

**Additional Skills**

* **IOT:** Working with ESP8266, ESP32, Raspberry pi , Knowledge in MQTT,Wi-fi, Bluetooth, LoraWan **,** Zigbee
* **CAD**: Autodesk Fusion 360, Autocad, Tinkercad
* **Circuit Design Simulator**: Multisim , Matlab/Simulink , Proteus

**Certifications and Awards:**

* Certified Data Science Engineer.
* Certified in IOT by IIT Kanpur.

**Projects:**

* **Line-wall following robot-**The line-wall following robot is meant to detect a black or dark line and move along the line without touching the wall.
* **Self-balancing Robot:** Self-balancing robot is based on arduino the heart of the robot is IMU consist of three axis gyro & accelerometer which measures force and angular velocity and tries to balance it on two wheels.
* **Humanoid Robot(Open Source Humanoid Robot):** It is a 3D printed robot which is made to look like human. It is designed for function purposes such as interacting with human tools and environment and to study locomotion.
* **Credit card fraud Detection-**The main motive was to detect credit card transactions so that customers are not charged for items that they did not purchase.

**Achievements:**

* Participated in IARC orginised by IIT Kanpur.
* Participated in Circuitrix organised by ECE Deaprtment.

**Extra curricular activities:**

* Won a local tournament in Foootball.
* Dean at School of AI.

**Interpersonal Skills:**

* Team player
* Result-oriented
* Detail-oriented\

**Hobbies/Interests:**

* Sports and fitness
* Gardening
* Listening to music

**Personnal Information:**

**Father’s Name:**

**Mother’s Name:**

**Date of Birth**