



GYAN CHANDRA

Embedded Engineer

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☎ 6397476611

📍 PUNE , INDIA

📅 17/07/1996

🌐 github.com/Gyanprem



live.cid.c595337fd70990c1

👤 PROFILE

Electronics & Communication Engineer with classroom experience in Embedded Systems and Internet of Things (IoT). Skilled in microcontroller programming, embedded operating systems, and real-time system development. Demonstrated an ability to lead academic projects and participate in technical workshops and industrial visits.

📁 PROJECTS

07/2024 – 08/2024

1. AUTO SENSE CAN: Adaptive Automotive System

Microcontroller

- Used STM32f103c8, LDR sensor, DC motor, and current transducer to automate car systems such as headlights and window motor monitoring. Integrated current transducers to prevent motor damage from overcurrent conditions by using the CAN protocol.

- **GITHub Repository:**

https://github.com/Gyanprem/CDAC_PROJECT.git ↗

10/2017 – 03/2018

2. AUTOMATIC IRRIGATION SYSTEM

Arduino

- Developed an automated irrigation system using humidity sensors and Arduino, designed to supply water based on soil moisture levels.

👜 PROFESSIONAL EXPERIENCE

03/2024 – 08/2024

PUNE, INDIA

Embedded System Design

The classroom is a cutting-edge learning environment tailored for hands-on, collaborative training in embedded system design. It integrates advanced tools, resources, and technologies to bridge the gap between theory and practical application.

🎓 EDUCATION

03/2024 – 08/2024

PUNE, India

Postgraduate Diploma in Embedded Systems Design

Sunbeam Infotech, Hinjewadi, Pune (CDAC ACTS, Pune) | March 2024 - Aug 2024 ↗

- **Technical Skill:** Embedded C, C++, ARM Architecture, Embedded Operating Systems, Real-Time Operating Systems (RTOS), Linux Device Driver, Internet of Things (IOT) and Communication Protocols (UART, SPI, I2C, CAN), Data Structures and Algorithms, Firmware development, low-level programming, debugging tools and embedded hardware design
- **Tools:** Embedded Software, VS code, Vim Editor, STM32cubeIDE and Thingsboard

07/2014 – 06/2018

BAREILLY, India

Bachelor of Technology in Electronics & Communication

University: Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow ↗

CERTIFICATES

- Summer Training at BSNL TDM, Basti.
- Workshop on "Embedded Systems" at SRMSCET, Bareilly.

AWARDS

Co-ordinator of the ROBOTRAX Club at SRMSCET, Bareilly.

Participated in CBSE CLUSTER in Under-19 Basketball.

Participated in drama in "ZEST" cultural fest organized by SRMSCET, Bareilly.

DECLARATION

I hereby declare that the above-mentioned information is correct to the best of my knowledge, and I take responsibility for the accuracy of the details provided.

PUNE, __/__/2024