

Payal Mahure

Pune, Maharashtra

☎ +91-9356299759

✉ pmahure2002@gmail.com

🌐 <https://www.linkedin.com/in/payal-mahure-861a0a26a>

EDUCATION

CDAC ACTS, PUNE

2024-2025

PG-Diploma in **Embedded System And Design** with 65.23%

Government College of Engineering, Chandrapur

2020 – 2024

B.E. - *Electronics and Telecommunication Engineering* - **CGPA - 7.10**

Chandrapur, Maharashtra

COURSEWORK / SKILLS

- | | | | |
|--------------------|-----------------|-----------|----------------------|
| • C | • Device Driver | • HAL API | • Team Collaboration |
| • Microcontroller | • Linux | • UART | • Problem-solving |
| • Operating System | • GitHub | • I2C | • Good Communication |

PROJECTS

Automatic Hand Sanitizer Machine / Electronics Circuit Design

2022-23

- This machine workout by using sensors and other electronics components.
- Sensor like IR sensor for sensing the object or detect the object.

Crop Cutting Vehicle / Electronic Circuit Design

2023-24

- Developed a crop cutting vehicle that combines mechanical, electrical, and control systems to automate the crop harvesting process.
- Designed the vehicle to efficiently cut crops like jowar, bajra, and rice, utilizing FlySky FS-i6 for remote control operation.
- Integrated electrical and control systems to enhance the vehicle's performance, making the system more efficient and user-friendly.

TECHNICAL SKILLS

Languages: Embedded C

Embedded Systems: Microcontroller, Embedded operating system and device driver

Communication Protocols: CAN Bus, I2C, SPI, UART

Tools: Proficient in STM32 with Linux

Hardware: STM32, BeagleBone Black

EMBEDDED SYSTEMS TRAINING AND ACHIEVEMENTS

- Pursuing training in Embedded C Programming, Microcontrollers, Embedded Operating Systems, and Embedded Service Drivers at CDAC ACTS Pune.
- Practical experience with STM32 Microcontrollers and BeagleBone Black in embedded projects.
- Familiar with communication protocols like CAN Bus, I2C, SPI, and UART.
- Hands-on expertise using tools like STM32CubeIDE, Linux, and Proteus for embedded applications.

HOBBIES

- Listening Music
- Immersing in nature