

# OJASVI CHAUDHARY

+91 8979062824 ◇ Shamli, Uttar Pradesh

[ojasvichaudhary09@gmail.com](mailto:ojasvichaudhary09@gmail.com) ◇ [linkedin.com/in/ojasvi-chaudhary-b451b822b](https://www.linkedin.com/in/ojasvi-chaudhary-b451b822b)

## PROFILE

---

Results-driven Embedded Systems Engineer skilled in both hardware and software development. Proficient in Embedded C programming, Data Structures and Algorithms to optimize system performance. Experienced with ARM microcontroller, RISC-V, and communication protocols like UART, SPI, I2C and CAN.

## EDUCATION

---

|   |           |
|---|-----------|
| <b>Post Graduate Diploma in Embedded Systems Design</b>         | 2024-2025 |
| Centre for Development of Advanced Computing (C-DAC), Pune      | 75.25%    |
| <b>Bachelor of Engineering in Electronics and Communication</b> | 2020-2024 |
| Maharshi Dayanand University, Rohtak                            | 80.36%    |
| <b>Intermediate</b>   | 2019-2020 |
| Alpine Vidhyapeeth School, Shamli                               | 86.4%     |

## SKILLS

---

**Technical Skills:** Embedded C, ARM Microcontroller, Embedded Operating System, UART, SPI, I2C, CAN, RTOS, STM32Cube IDE, STM32 Microcontroller

**Interpersonal Skills:** Adaptability, Active Listening, Teamwork, and Patience

## PROJECTS

---

**Embedded Collision Detection and Prevention System:** This project implements a collision detection and prevention system utilizing an HC-SR04 ultrasonic sensor, STM32F407VGT6 microcontroller, SN65HVD230 CAN Bus Transceiver, and ESP32 to send data to Amazon Web Services (AWS) for further processing.

**Project Repository:** [https://github.com/Project07-desd/Embedded\\_Collision\\_Detection\\_And\\_Prevention\\_System\\_Via\\_CAN](https://github.com/Project07-desd/Embedded_Collision_Detection_And_Prevention_System_Via_CAN)

## Certification

---

**Mastering Microcontrollers: Timers, CAN, RTOS, and Low-Power Embedded Systems using STM32** **Udemy-2025**

Gained hands-on expertise in embedded systems development, focusing on real-time applications, peripheral interfacing, and energy-efficient design using ARM Cortex-M.

## EXTRA-CURRICULAR ACTIVITIES

---

- Yoga
- Planting and Gardening