HARSHID RAWAL

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EDUCATION:

DHARMSINH DESAI UNIVERSITY

B-Tech in Electronics and Communication
2022 - 2026| NADIAD,INDIA

Shree Gurukrupa vidhya sankul school

CLASS = XI | 2020 - 2021 | SURAT, INDIA

SV PUBLIC SCHOOL

Class = VI - X | 2016 -2019 |SURAT, INDIA

LINKS:

Linkedin : https://www.linkedin.com/in/harshid-rawal-88051b251/

Github : https://github.com/harshitrawal513

SKILLS:

LANGUAGES

Experienced: Python (special in Open CV) || Aurduino IDE

Intermediate : C++

MICROCONTROLLER'S:

- Experienced with microcontroller programming for Arduino | ESP32 | ESP32 SERIES 3 | ESP-CAM.
- Familiarity with STM microcontroller boards.
- APM 2.8 for drone control.

SIMULATION

Circuit simulation : Matlab || LT -SPICE

VLSI Circuit : Quarts || Modelsim || Microwind Tool

OTHERS:

- Strong problem-solving abilities through electronics and programming knowledge.
- Effective leadership skills demonstrated in team environments.

OBJECTIVE:

As a second-year Electronics and Communication Engineering student with a passion for creating affordable solutions to real-world problems, I am dedicated to utilizing my solid academic foundation and practical experience in microcontroller programming. My motivation lies in contributing to the development of innovative products that address people's needs while maintaining affordability. I seek to collaborate with industry professionals to enhance my skills and contribute to delivering impactful solutions to the market.

WORK EXPERIENCE

DDIT - Spectrum - Electronics and Robotics Club

Member of Technical Team :

- Conducted Arduino and microcontroller workshops for students.
- Collaborated on event concepts and provided technical assistance to fellow students.
- Strengthened presentation and leadership abilities through mentoring students.
- Contributed to event planning and execution for smooth operations in student-led initiatives.
- Cultivated interest in the field through interactive workshops and activities with fellow students.

2024 - Present

PROJECTS:

- **Water Fuel Car:**
  1. Electrolysis with salt and metal generates electricity.
  2. Utilizes renewable resources.
  3. Efficient and cost-effective process.

  2020

- **Digital Counter with 7-Segment Display Decoder**
  1. Converts binary to decimal for display.
  2. Generates sequential binary numbers.
  3. Simplifies control for display output.
  4. Integrates basic digital IC for functionality.
  5. Offers clear numeric representation.

  2023

- **E SAARTHI: Electronic Guide for the Visually Impaired**
  1. Object Detection: Empower visually impaired with YOLOv3.
  2. Object Identification: Image-to-text for object recognition.
  3. Corporate Integration: Seamless workflow integration.
  4. Voice Assistant: Ori aids intuitive interaction.
  5. Telegram Bot: Enhance accessibility with Telegram.
  6. Image Saving: Users can save images via bot command.
  7. Message System: Alert system for timely notifications.
  8. Custom Creation: Tailored for visually impaired needs.
  9. In Development Phase: Continuously evolving for user enhancement.

  2024 -- working

ACHIVEMENTS :

2020 - Winner - state level science project exhibition
2024 - 2nd position Winner - Eureka organize by DDIT

CERTIFICATIONS:

2023	LT SPICE SIMULATION	DDIT
2023.	AURDUINO & ESP32.	DDIT
2023.	DIGITAL CIRCUITS	IIT KHARAGPUR(NPTEL)