Adwait Dubey

UG IV Year

SGSITS, Indore
16/10/2004
Email ID : adwaitdubey13@gmail.com

Enrollment No: 0801EI221008
Department: Electronics and Instrumentation
Gender : Male
Specialization: None
Mobile # : +91 9111970405

Academic Details

Degree / Certificate	University / Board	Institute / School	Year of Passing	CGPA / Percentage
Graduation	RGPV	Shri G.S Institute of Technology and Science,Indore	2026	8.07
12th	CBSE	Chhatrapati Shivaji Public School,Indore	2022	95%
10th	CBSE	New Digamber Public School,Indore	2020	95.4%

Scholastic Achievements

- Belonged to top 1/8 of the passed candidates in 12th boards.
- Solved 200+ questions on Leetcode.
- Hacckerrank certification in SQL(Basic).

Academic Projects

- Voice-Assisted Cricket Scorecard (Embedded & IoT Project)   Jan 2025- Ongoing
  EI Dept.   SGSITS

  Faculty Mentor – Dr. Gireesh Gaurav Soni
    - Designed and implemented an innovative system to automate cricket scorekeeping using voice commands, leveraging IoT and mechatronics principles.
    - Configured ESP32 microcontroller with INMP441 microphone and SD card for seamless audio capture and local storage. Integrated Deepgram API for real-time speech-to-text conversion, achieving high accuracy in voice command recognition.
    - Demonstrated proficiency in embedded systems, hardware-software integration, and problem-solving, delivering a functional prototype with potential applications in sports analytics.

- ESP32 Ultrasonic Radar System   JUNE 2024 - NOV 2024
  EI Dept. SGSITS
    - Developed a real-time obstacle detection system using an ESP32 microcontroller and four HC-SR04 ultrasonic sensors. Implemented a web-based radar visualization using HTML5 Canvas to display distance data from all four directions (front, back, left, right). Integrated a buzzer alert system to notify when objects are within 20 cm. The ESP32 hosted a live web interface over Wi-Fi using AsyncWebServer, fetching sensor data every 500 ms for responsive visual updates.

Technical Projects

- Full Stack E-Commerce Web Application
  React | Node.js | Express | MongoDB | REST API | JWT | Redux | Tailwind CSS

    - Designed and developed a complete e-commerce platform with user authentication, product catalog, shopping cart, and checkout. Created an admin dashboard to manage products, orders, and users.

    - Built RESTful APIs with Node.js and Express; managed user, product, and order data in MongoDB. Integrated JWT-based authentication for secure login and admin access control.

    - Implemented responsive frontend using React.js with Redux for state management and Tailwind CSS for consistent UI design across devices

Platforms, Languages, Technologies & Tools Worked

- **Programming Skills**   : C, C++, Python
- **Web Development**   : HTML, CSS, Bootstrap, Javascript, React, Node.js, Express.js
- **Databases & BI Tools**   : MySQL, MongoDB, Power BI, MS Excel
- **Embedded Systems & IoT** : ESP32, Arduino, I2S Audio Processing

Courses Undertaken

Core	Breadth
- Microprocessor Systems	- Data Structures
- CMOS VLSI Design	- Artificial Intelligence
- Circuit Design Using HDL	- Economics for Engineers
- Electronic Devices and Circuits	- Web Development
- Digital Electronics	- Mathematics- I, II, III, IV
- Analog Electronics	

Positions of Responsibility

- Core Member of Club Plug-in (official club of EI department)
- Volunteered at IdeaLab during Aayam2024.

Extracurricular Activities

- C Bootcamp by Computer club.
- Enjoy playing Chess, badminton and cricket as recreational and strategic persuits.

भारत सरकार
Government of India

अद्वैत दुबे
Adwait Dubey
जन्म तिथि/DOB: 16/10/2004
पुरुष/ MALE

Issue Date: 08/06/2016

6938 2897 4473
VID : 9145 2762 1086 3458

मेरा **आधार**, मेरी पहचान

आयकर विभाग
INCOME TAX DEPARTMENT

भारत सरकार
GOVT. OF INDIA

स्थायी लेखा संख्या कार्ड
Permanent Account Number Card

IFHPD0334E

नाम / Name
ADWAIT DUBEY

पिता का नाम / Father's Name
ANAND DUBEY

जन्म की तारीख / Date of Birth
16/10/2004

हस्ताक्षर / Signature

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