YASH SINGHAL

ASPIRING DATA SCIENTIST

CONTACT

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EDUCATION

LOVELY PROFESSIONAL UNIVERSITY

- Bachelors in Computer Science & Engineering
- **2023-2027**
- Expected Graduation : July 2027
- Current CGPA: 7.8 / 10

SKILLS

- Problem Solving
- Data Structures and Algorithms
- Object-Oriented Programming
- C, C++
- Python
- Java (Basic)
- HTML, CSS, JavaScript
- Git & GitHub
- Teamwork

LANGUAGES

- English (Fluent)
- French(Basic)

PROFILE

I am Yash Singhal, a passionate and dedicated third-year B.Tech Computer Science and Engineering student at Lovely Professional University. I have a strong interest in technology, coding, and problem-solving, and I continuously strive to enhance my skills through hands-on projects and continuous learning. Being a quick learner and highly adaptable, I enjoy working on innovative ideas and collaborating with others to solve real-world challenges. I am now looking for opportunities where I can apply my technical knowledge, grow professionally, and contribute meaningfully to the organization.

PROJECTS

Automatic Smart Dustbin

Domain : Embedded Systems / IoT

Tools & Technologies: Arduino Uno, Ultrasonic Sensor, Servo Motor, Jumper Wires, Breadboard

Description:

Designed and developed an automatic smart dustbin that opens its lid when a person approaches it. Utilized ultrasonic sensors and servo motors interfaced with Arduino Uno to detect proximity and automate the lid operation. This project aimed to promote hygienic, touch-free waste disposal solutions.

Student Learning Platform Website

Domain: Web Development / EdTech

Tools & Technologies: HTML, CSS, JavaScript, Bootstrap

Description:

Developed a fully functional educational website that serves as a centralized platform for students to access curated courses and learning materials. Included categorized content for different subjects, responsive UI, and interactive navigation. Focused on accessibility and ease of use for learners.

Interactive Sorting Algorithm Visualizer

Domain: Web Development / Computer Science Education

Tools & Technologies: HTML, CSS, JavaScript

Description:

Created a web-based visualization tool to demonstrate how various sorting algorithms (Bubble Sort, Selection Sort, Insertion Sort, etc.) work step by step. Integrated visual animations to represent comparisons, swaps, and final sorted arrays, enhancing understanding of algorithmic logic for learners.