

# Vedant Vaghasiya

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## PROJECTS

### **SOLVIA : COLLEGE PRACTICAL APP** | JAN 2025 | [SOURCE CODE](#) | [LINK](#)

- Developed a Platform to provide coding solutions across multiple programming languages.
- Made an online whiteboard where users can draw, add shapes, and write text to explain their ideas.
- Technologies: ReactJS, MongoDB, NodeJs, ExpressJS, HTML5, Tailwind CSS.

### **CARVA: CAR RENTAL SYSTEM** | JUNE 2024 | [SOURCE CODE](#)

- Developed a Car Rental System with date-based pricing and 18% GST integration. Enabled users to browse and rent cars.
- Added an Admin Dashboard to manage car listings, bookings, cancel reservations, and access customer and rental data.
- Technologies: NodeJS, ExpressJS, EJS, MongoDB, JavaScript, CSS, HTML.

### **SORA: SORTING ALGORITHM VISUALIZER** | MAR 2024 | [SOURCE CODE](#) | [LINK](#)

- Engineered a web application to visually demonstrate sorting algorithms, enabling users to better understand the differences in performance and mechanics.
- Designed a user-friendly interface to visualize 5 different algorithms: bubble sort, insertion sort, selection sort, merge sort, and quicksort.
- Technologies: HTML, CSS, JavaScript.

### **VERSIONFLOW** | JAN 2024 | [SOURCE CODE](#)

- Implemented core Git functionalities including blob, tree, and commit objects.
- Ensured data integrity and version tracking by utilizing SHA-1 hashing for object management, preventing content duplication.
- Optimized blob storage by integrating zlib compression, reducing repository size by up to 60%, improving performance and scalability.

## ACTIVITIES

### **STUDENT PLACEMENT COORDINATOR** | NIRMA UNIVERSITY Apr 2025 - Present

- Coordinated communication between students and the III Cell at Nirma University during placement activities.
- Solved student placement-related queries by providing guidance on company eligibility and application procedures.

## EDUCATION

### **NIRMA UNIVERSITY**

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

September 2023 - Present | 4rd Year | Ahmedabad, Gujarat

CGPA : 8.19 / 10

### **BHAGWAN MAHAVIR UNIVERSITY - SURAT**

DIPLOMA - COMPUTER ENGINEERING

Nov 2020 - July 2023 | Surat, Gujarat

CGPA : 8.66 / 10

## CODING PROFILES

LeetCode: vedant\_vaghasiya

Codeforces: vedant\_vaghasiya

CodeChef: ved2004

## SKILLS/TECHNOLOGY

C | C++ | Problem Solving |  
Data Structure And Algorithm  
| Competitive Programming | SQL  
**Familiar:**  
HTML | CSS | JAVASCRIPT |  
NODE.JS | EXPRESS.JS | ReactJS  
| GIT | GITHUB | MONGODB

## COURSEWORK

Data Structures and Algorithms  
Design And Analysis of Algorithm  
Object-Oriented Programming  
Operating Systems | Computer Networks  
Database Management Systems  
Full Stack Web Development  
Machine Learning  
Cloud Computing

## ACHIEVEMENTS

**Codechef Staters 193 : Rank -> 180**

Codechef Staters 192 : Rank -> 443

**Codeforces Round 1034 : Rank -> 4802**

**LeetCode Weekly Contest 456 : Rank -> 1582**

Certification for Full-Stack Web Development

**View Certificate**

Solve More Than 1000 problems on various Platforms