

# Vipul Goyal

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## Education

**National Institute of Technology, Kurukshetra**  
B.Tech in Information Technology

Kurukshetra, HR  
Nov 2022 - May 2026  
**CGPA: 8.54**

## Coursework

- Operating Systems
- Object Oriented Programming Concepts
- Computer Networks
- Database Management system
- Data Structures and algorithms (DSA)
- Machine Learning

## Experience

### Frontend Development Intern

Apr 2024 – May 2024

Herdsman Development Private Limited (**certificate**)

- Engineered and designed the company website using React.js and Tailwind CSS.
- Implemented animations and interactive carousels using AOS (Animate On Scroll) and Swiper.js libraries to enhance user experience.
- Collaborated with the design team to ensure a responsive and visually appealing user interface.
- Strengthened coding and design skills through hands-on experience in frontend development

## Projects

### Telematic Control Unit

Sept 2023 – Dec 2023

Software and Hardware Project Python, React Native, MongoDB, Arduino Uno, Sensors, Raspberry Pi

**GitHub:** Arduino Code **GitHub:** TCU Fleet App

- Developed a Telematic control unit to capture and analyze vital vehicle data in real-time, enhancing fleet management efficiency by 40% and reducing maintenance costs by 25%
- Utilized Arduino Uno to capture critical data with 90% accuracy
- Employed a Raspberry Pi to process and display the data on a connected screen.
- Implemented real-time display of data from a MongoDB database on an Android application build using React Native.

### Auction Platform

June 2024 – July 2024

Full Stack Project

Node.js, Express.js, React.js, MongoDB

**Project:** Project Link

- Implemented a dynamic auction platform that allows real-time bidding, enabling users to place bids on products in a competitive environment.
- Role-based access control, allowing auctioneers to manage their own product listings.
- Used node-cron for scheduling automated tasks such as closing auctions, notifying winning bidders.
- Used chart.js for visual dashboard for the admin panel, displaying key auction metrics such as total auctions, successful bids, revenue, and user activity.

### SAE NIT Kurukshetra Website

Frontend Project

Jan 2024 – Mar 2024

**GitHub:** Code **Project Link:** Project Link

React.js, Redux, Firebase, Scss

- Crafted and Build a website of Society of Automotive Engineers (Club of NIT Kurukshetra)
- Leveraged Advance CSS properties to style and created website with animation using AOS library
- Integrated React predefined libraries to create Slider, Carousel, Animated text ,etc

## Technical Skills

- Programming Languages:** C++, Python, JavaScript, SQL
- Development:** HTML, CSS, React.js, Node.js, Express.js, React Native
- Tools & Databases:** Git, GitHub, MongoDB, MySQL, Bootstrap, Tailwind CSS

## Achievements

- Finalist, Smart India Hackathon'23 (Hardware Edition) (**Certificate**)
- First Prize Winner SAE Internal Hackathon(NIT KKR)
- First Prize Winner in Productathon'24 (Hackathon organised by startup Cell of NIT KKR)
- Solved 350+ Problems on LeetCode (**Link**)

## Position Of Responsibility

### Active Member of National Service Scheme

- Participate in cleanliness drives and awareness programs
- Empower underprivileged communities through community service projects