

Dhruv Gupta

Linkedin: [Dhruv Gupta](#)

[Leetcode](#) | [Code 360](#) | [Github](#)

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EDUCATION

Narsee Monjee Institute of Management and studies
B – Tech in Computer Science and Engineering CGPA - 3.08/4
Bhartiya Vidya Bhavan Vidhayshram
Class 10th – 90.2% , Class 12th – 94.6%

Navi Mumbai, India
July 2021 - August 2025
Rajasthan, India
June 2007 - August 2021

SKILLS SUMMARY

- **Languages:** C, C++, HTML, CSS, Javascript , Python , Node.js , Bootstrap
- **Core CSE:** CN, DBMS, OS, OOPS
- **Tools:** Excel, Word
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA , Leetcode , Code 360
- **Soft Skills:** People Management, Excellent communication

WORK EXPERIENCE

Summer Research Intern | IIT Mandi | [Source Code](#) | [Link](#)

May - July 24

- Implemented a system for detecting and generating Aruco markers using OpenCV, including both single and bulk marker generation, enhancing object recognition and tracking capabilities.
- Developed a calibration tool to detect and capture images of a chessboard pattern for camera calibration, improving the accuracy of camera intrinsic parameters and facilitating precise visual servoing.
- Created a detailed simulation environment for a Husky robot in Gazebo, including terrain, robot models, and physics settings, enabling realistic testing and development of robotics algorithms.
- Applied visual servoing techniques in the project to control and navigate the Husky robot based on visual feedback, demonstrating practical application of computer vision and robotics principles.

PROJECTS

Show Ticket Booking System | [LINK](#)

December 22- February 2023

- Created a web application using Node.js and Express for seamless ticket booking, integrated with MongoDB for data management.
- Designed and implemented user signup forms and integrated Razorpay payment gateway for secure transactions.
- Utilized HTML, CSS, and Bootstrap to build a responsive and user-friendly interface for booking show tickets across various devices.
- Managed user feedback with dynamic HTML pages for success and failure scenarios, enhancing user experience.

College Sports Fest Registration | [LINK](#)

September 23- October 2023

- Created a web application using AngularJS for real-time event filtering and registration, enabling users to search and register for sports events seamlessly.
- Designed a user registration form with client-side validation using JavaScript to ensure data accuracy, including email format validation and password confirmation checks.
- Integrated Payment Gateway: Integrated Razorpay payment gateway for seamless payment processing during event registration, enhancing user experience and security.
- Ensured cross-device compatibility by implementing responsive design principles using HTML, CSS, and JavaScript, optimizing the website for various screen sizes and devices.

Snake Game Python | [LINK](#)

July 23- August 2023

- Built a fully functional Snake Game using Python's Turtle module, demonstrating expertise in object-oriented programming (OOP) and game development.
- Created multiple classes ('Snake', 'Food', 'ScoreBoard') to modularize the game components, enhancing code reusability and maintainability.
- Integrated collision detection mechanisms for interactions between the snake, food, and walls, ensuring dynamic gameplay and accurate score tracking.
- Enabled user control of the snake through keyboard inputs, utilizing event listeners to provide an interactive and responsive gaming experience.

ACHIEVEMENTS

- Achieved a score of [25.86/100](#) marks and ranked 20,646 out of 123967 students in GATE CSE'24 Examination
- Solved over 150 problems on LeetCode and Code360 of Data Structures and Algorithms.
- Cleared the Cambridge Preliminary English Test (PET) with a B1 grade.