



BRIEF SUMMARY

I Want to work with a progressive organization where I could utilize my knowledge & skills for mutual growth. To grow with the organization where i can effectively contribute my software skills and hardware skills as professional.

KEY EXPERTISE

C++ HTML5 CSS JScript IOT Sensors CNC Programming laser programming 3D Modeling 3D Printing
CNC Operation C Programming Basic Java MySQL

EDUCATION

Ganeshi Lal Bajaj Institute of Technology and Management M.C.A. - Computer Applications Pursuing	2024 - 2026
I.P. (P.G) COLLEGE BULANDSHAHR BCA - Computer Applications - Computer Applications (Full Time) Percentage : 56.70 / 100	2021 - 2024
Azad public school (NCR), Bulandshahr, Bulandshahr 12 th CBSE Percentage: 52 / 100	2019
Saint momina school, Bulandshahr, Bulandshahr 10 th CBSE CGPA: 8.40 / 10	2017

AWARDS AND SCHOLARSHIPS

- Few chess certificates

PROJECTS

MIMI ARM Mentor: non Team Size: 1 Key Skills: Robotics IOT C++ HTML5 CSS JScript Project Link: https://github.com/Dhruvyadav8859 A Robotic arm which mimic the movements and can be remotely controlled. And can provide pre recorded movements and also real time recorded movements with programing and also with smart interface designed by me	04 Apr, 2025 - 10 Jul, 2025
Smart Homes Mentor: Dr. Bishwajeet Kumar Team Size: 3 Key Skills: IOT Sensors HTML5 CSS JScript Project Link: https://github.com/Dhruvyadav8859 A smart home system which provides remotely controlled switches and theft detection system without using camara and smart automation in appliance switching. It is a complete home automation system with a attractive interface.	27 Feb, 2025 - 19 Jun, 2025
ASPS Mentor: non Team Size: 1 Key Skills: Arduino UNO Sensors c++ HTML5 CSS JScript Project Link: https://github.com/Dhruvyadav8859 ASPS Means Automatic Smart parking system Based on IOT. Our system provides automation in parking management using basic sensor arrangement. Provides Parking Data on Mobile devices.	27 Apr, 2025 - 07 May, 2025

28 Nov, 2024 - 07 Jan, 2025

Agri-tech management system

Mentor: non | **Team Size:** 2

Key Skills: IOT C++ HTML5 CSS JScript

Project Link: <https://github.com/Dhruvyadav8859>

We have Develop a closed system where we provide agricultural monitoring and management. Some key points are Automated irrigation system, Intruder detection, Fire detection, soil monitoring system.

Exam Nootes

08 Mar, 2024 - 24 May, 2024

Mentor: non | **Team Size:** 5

Key Skills: Web Technology Html5 CSS JScript

Project Link: <https://github.com/Dhruvyadav8859>

Exam Nootes Website will provide Quality Based NCERT notes, provides previous year question papers of class 10 & 12 CBSE, and 10 & 12 CBSE result etc. We provides Single Platform for complete education solutions.

Dhruv's defence and Aero-space

18 Jun, 2025

Mentor: Dr. Bishwajeet kumar, Mr Biky chauhan | **Team Size:** 2

Key Skills: Web HTML5 JScript CSS MySQL

Project Link: <https://github.com/Dhruvyadav8859>

A Website which provides space based news,
key components about space,
knowledge of rocket components,
Innovations in space etc.

LANDING APPARATUS FOR UNMANNED AERIAL VEHICLES WITH INTEGRATED ENERGY AND TERRAIN SENSING SYSTEMS

15 May, 2025

Mentor: Dr. Bishwajeet kumar, Mr Biky Chauhan | **Team Size:** 3

Key Skills:

Radio Communication IOT Carbon Fiber Molding CNC Machine CNC Programming CNC Operation laserCAD
AutoCAD 3D Modeling 3D Printing Laser machine

Project Link: <https://github.com/Dhruvyadav8859>

Abstract

The present disclosure provides a landing apparatus for an unmanned aerial vehicle. The landing apparatus comprises a plurality of articulated struts incorporating shock absorbers, wherein each articulated strut is pivotally mounted to a base structure to absorb landing impact forces. A deployable solar array assembly is nested within the base structure and is translatablely engaged with the articulated struts to transition between a retracted position and an extended position. A terrain sensing module is integrated with the base structure to adjust the articulation of the articulated struts and align such deployable solar array assembly with an optimal orientation relative to the ground. A stabilizing mechanism is operatively associated with the terrain sensing module to align with the base structure and maintain stability of the landing apparatus during operational adjustments.

LANDING APPARATUS FOR UNMANNED AERIAL VEHICLES WITH INTEGRATED ENERGY AND TERRAIN SENSING SYSTEMS

14 Mar, 2025

Patent for a UAV | 202511017163 | Mentor: Dr. Bishwajeet kumar | No. of Authors: 2

Key Skills: CNC Machine Laser Radio Communication IOT AutoCAD LaserCAD 3D Modeling 3D Printing

Abstract
The present disclosure provides a landing apparatus for an unmanned aerial vehicle. The landing apparatus comprises a plurality of articulated struts incorporating shock absorbers, wherein each articulated strut is pivotally mounted to a base structure to absorb landing impact forces. A deployable solar array assembly is nested within the base structure and is translatablely engaged with the articulated struts to transition between a retracted position and an extended position. A terrain sensing module is integrated with the base structure to adjust the articulation of the articulated struts and align such deployable solar array assembly with an optimal orientation relative to the ground. A stabilizing mechanism is operatively associated with the terrain sensing module to align with the base structure and maintain stability of the landing apparatus during operational adjustments.

ACHIEVEMENTS

- 1 Patent published and 1 on the way, 1 book about moon mission by ISRO

CO-CURRICULAR ACTIVITIES

- Experimenting things

EXTRA CURRICULAR ACTIVITIES

- State level Chess player 3rd in up state in 2018

PERSONAL INTERESTS / HOBBIES

- Playing Chess
- Robotics
- Drone technology

IMs

- WhatsApp - 8859098899
- Other - <https://github.com/Dhruvyadav8859>

PERSONAL DETAILS

Gender: Male
Marital Status: Single
Current Address: Hno. 940, Indranagar Bhoor, Bulandshahr, Bulandshahr, Uttar Pradesh, India - 203001
Email: 24550cn054@glbctm.ac.in

Date of Birth: 19 Feb, 2002
Known Languages: English, Hindi
Phone Number: +91-8859098899