

# Adarsh Dabral

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With a fervent belief in the power of technology, entrepreneurship, and data-driven insights, I am on a mission to reshape industries and drive innovation forward. As a student pursuing a B.Tech Hons. in AI & DS, I am fueled by a passion for integrating Data Science, AI, and IoT to create solutions that not only face current challenges but also get ready for the future needs.

## WORK EXPERIENCE

**The Designnovation Hub (TDH) •**  
Dehradun, Uttarakhand, India  
**President**

08/2023 - Present

**Member**

**IEEE**

11/2023 - 03/2024

**Researcher - Advancement in AI Bots**

- Learnt about CNNs and RNNs and also made a project on automatic attendance system. Learned many things about research paper under the guidance of Dr. Anurag Vidyarthi. And gained valuable experience.

**Young Protons**  
**Founder**

03/2023 - 03/2024

**Makerspace IIT Delhi • Delhi, India**  
**Intern**

06/2023 - 07/2023

- I had the privilege of being chosen for a Training Programme focused on Industrial Design Processes & Prototyping Procedures at Makerspace, IIT Delhi, Hauz Khas Campus. From June 15, 2023, to July 15, 2023, I had the opportunity to learn under the guidance of Dr. Jay Dhariwal, Mr. Utkarsh Kumar Gupta, Mr. Narender Sharma, and Ms. Rajni Badgujar. I was taught how to operate various machines used in prototyping, such as **3D Printers, Laser Cutters, Water Jet Cutters, CNC Millers, and PCB Fabrication Machines**, among others. Afterwards I was given opportunity to **train students** on these machines.

**Nova**

04/2023 - 07/2023

**Junior Marketing Associate**

- Worked for one of the best Social Media Platform for Teenagers! During my internship as a Junior Marketing Associate, I had the privilege of collaborating with the dynamic marketing team at NOVA. The experience was nothing short of phenomenal as I delved into the intricacies of communication, media marketing, networking, and more.

**Indian Institute of Technology, Delhi •**  
Delhi, India

05/2022 - 06/2022

**Summer Bootcamp student**

- It was truly a moment of pride to be among the chosen 30 students by IIT Delhi for the changemaker's bootcamp 2022. It was an enlightening experience where I delved into the field of design thinking, creative innovation, and problem-solving. And the cherry on top was getting my hands on some fantastic machines like the laser cutter, water jet cutting machine, CNC milling machine, and 3D printers!

## SKILLS

- Communication
- Computer-Aided Design (CAD)
- Content Management
- Data Analysis
- English
- Front-End Development
- HTML
- JavaScript
- JSON
- Leadership
- Marketing
- NextJs
- Organization Skills
- Public Speaking
- Python (Programming Language)
- Research
- Responsive Web Design
- Robotics
- Team Management
- TypeScript
- Video Creation
- Web Applications
- Web Development
- Writing

## EDUCATION

**Bachelor of Technology - BTech in Artificial Intelligence with Data Science**

Graphic Era Deemed to be University  
06/2023 - 06/2027

**12 in Science**

Carmel School Chamba  
01/2022 - 12/2023

Skills: Team Management · Research · Communication · English · Leadership

## CERTIFICATIONS

### Data Analysis with Python

freeCodeCamp

04/2024 - Present

### Advanced Google Analytics

Google Analytics by Liontech

### Web Development

Microsoft Learn Student Ambassadors Lahore

### Personality Development Through Self Awareness

SAVE

## AWARDS & SCHOLARSHIPS

### Change Maker

IIT Delhi

06/2024

## PROJECTS

### MONbot

IIT Delhi

05/2024 - 06/2024

A quadruped robot that uses an Arduino and through 8 servos motor is able to walk like any animal. To control servo motors, Pulse width modulator(PWM) driver was used.

### Auto Attendance

Graphic Era Deemed To Be University

I used python's open cv library to detect Face. Using CNN and RNN, a user's face is recognized. After recognizing the face, the user's attendance is marked. This saves time in the classes and prevents proxies.

### StatCalc

Graphic Era Deemed To Be University

A calculator has the capabilities to calculate mean, variance and standard variance.

### Arduino Clock

A digital clock that uses Arduino. It can be integrated with RTC module and a mini inverter, to work in a more efficient manner.

## VOLUNTEERING & LEADERSHIP

### Graphic Era Deemed To Be University

Organizing Committee • Dehradun, Uttarakhand

## PUBLICATIONS

### Development of LiFi System for Communication and Control in Hilly Regions

IEEE

04/2024

### Advancements in Image Caption Bots: A Deep Learning Approach

IEEE

04/2024