**Kshitij Pratap Tomer**
Hard Working, Motivated, Sincere
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## Career Objective

I am a goal-oriented person that is passionate, self-motivated, eager to learn, and who is seeking a responsible role in a prestigious organization where I can learn and expand my skills while also contributing to the overall growth of the organization. Because of my profoundly empathic personality, I have strong leadership and communication abilities. I am always up for new challenges and leading the way through them

## Academic Details

| Year(s) | Qualification – Degree | Board/University | Percentage / CGPA |
|---|---|---|---|
| 2021-2025 | B. Tech in Computer Science Engineering- Specialization in Artificial Intelligence and Machine Learning | UPES | 7.43/10<br>(*Till end of Vth semester) |
| 2020-2021 | XII | CBSE | 84 % |
| 2018-2019 | X | CBSE | 87.8 % |

| | |
|---|---|
| **Subject Electives** | Major in **AIML(Artificial Intelligence and Machine Learning)**:<br>A major in Artificial Intelligence and Machine Learning (AIML) encompasses studies in computer science, mathematics, and data science, focusing on foundational concepts in machine learning, artificial intelligence, and advanced algorithms.<br>Minor in **Big Data:**<br>A minor in Big Data offers students foundational knowledge in managing and analyzing large datasets. It covers core concepts, technologies, data analytics, security, and ethical considerations. |
| **Technical Proficiency / Skills** | • Programming Languages: Java, Python, C/C++<br>• Databases: MySQL<br>• Misc: Git, GitHub, OpenCV, Computer Vision, tensorflow, NLP<br>•Other Skills: Canva, Documentation, Research |

## Summer Internship

**Social Internship** **Jun 2022 - Aug 2022**

During my social internship at **Parivatan Social Foundation**, I undertook the task of curating free educational apps from various sources on the internet. This involved thorough research and selection of valuable educational resources. I then compiled my findings into a comprehensive presentation, showcasing the collection of apps and their potential impact on the foundation's initiatives. This experience allowed me to contribute to the foundation's educational objectives while honing my research and presentation skills.

## Projects ( Minor )

**Minor Project – Bhraman kare – Itinerary Planner** **Ongoing**

The project, titled "Bhraman Kare - Itinerary Planner is a well-defined initiative aimed at achieving specific objectives. It encompasses a set of tasks and activities within a predetermined scope, all of which will be executed within a specified timeline. A budget has been allocated to fund the necessary resources, including materials, tools, and software, while a dedicated team with defined roles and responsibilities will oversee its execution. The project's success will be measured against key milestones and deadlines, with identified risks and mitigation strategies in place to address potential challenges. Various stakeholders, including individuals and groups with a vested interest in the project's outcome, will be kept informed and engaged throughout its duration.

**https://github.com/Kshitij-200/Minor_Project**

**Personal Project – AI body Language Decoder** **Nov 2022 – Dec 2022**

An AI body language decoder is a technology that uses artificial intelligence to analyze and interpret non-verbal cues and gestures exhibited by individuals. It can discern emotions, intentions, and attitudes by examining facial expressions, gestures, posture, and tone of voice. This tool helps in understanding people better, enhancing communication, and facilitating applications in various fields, including psychology, marketing, and human-computer interaction.

**https://github.com/Kshitij-200/AI-Body-Language-Decoder**

**Personal Project – Deep Drowsiness Detection** **Dec 2022 – Jan 2023**

Deep drowsiness detection is a technology that employs advanced machine learning techniques, particularly deep learning, to identify and monitor levels of drowsiness or fatigue in individuals. It relies on various data sources such as video feeds, EEG signals, ECG signals, and physiological sensors to continuously analyze and interpret an individual's state in real-time. The technology is used in diverse applications, including driver safety, workplace safety, and healthcare, to prevent accidents caused by drowsy individuals. Deep drowsiness detection involves data preprocessing, feature extraction, model training, and the development of alert mechanisms. Challenges include dealing with noisy data, ensuring real-time processing, and addressing individual variations. Despite these challenges, it holds great promise for enhancing safety and reducing accidents by promptly alerting individuals to their drowsiness levels.

**https://github.com/Kshitij-200/Deep-Drowsiness-Detection**

**Personal Project – Deep Facial Detection** **Jan 2023 – Feb 2023**

Deep facial detection refers to the application of deep learning techniques to identify and locate faces within images or video streams. This technology is a fundamental component of various computer vision applications, including facial recognition, emotion analysis, and surveillance systems. Deep facial detection algorithms use convolutional neural networks (CNNs) and other deep learning architectures to automatically detect and localize faces in complex visual data. Key features of deep facial detection include high accuracy, robustness to variations in lighting and pose, and the ability to process real-time data streams. This technology plays a crucial role in security, human-computer interaction, and numerous other fields, where precise and efficient face detection is essential for applications ranging from access control to personalized user experiences.

**https://github.com/Kshitij-200/Deep-Facial-Detection**

## Accomplishment And Recognition

Actively participated in CSI Hackathon at UPES in the year 2022-2023
Contributed at HacktoberFest 2022
Contributed at GSSOC 2023
Actively participated at UPES Hackathon.
Certificate by ISRO – Machine Learning in Python
Solved 200+ Leetcode Problems