

# Utkarsh Shivhare

 Portfolio |  Utkarsh |  Utkarsh |  [utkarshshivhare26@gmail.com](mailto:utkarshshivhare26@gmail.com) |  +91 8960370500

## Education

### MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY

B.TECH IN COMPUTER SCIENCE AND  
ENGINEERING

2025 | 7.2 CGPA | Gorakhpur, India

### CHINMAYA VIDYALAYA SCHOOL

INTERMEDIATE

2021 | 96.8 % | NTPC Unchahar  
Raibareli, Uttar Pradesh, India

### CHINMAYA VIDYALAYA HIGH SCHOOL

2019 | 92.2 % | NTPC Unchahar  
Raibareli, Uttar Pradesh, India

## Skills

Languages:

Python • C • C++ • R • SQL • Java

ML & Data Science:

Neural Networks • Machine Learning  
Statistical Analysis • Hypothesis Testing  
A/B Testing

Tools:

Tensorflow • Pytorch • Scikit-learn •  
Matplotlib • Opencv

Big Data & Others:

Apache Spark • Hadoop • Redshift • Git •  
AWS • MongoDB • Linux

Development:

Web Scraping • Web Automation •  
Computer Vision

## Courses

### UNDERGRADUATE

- Programming Fundamentals
- Data Structures and Algorithms
- Object Oriented Programming

### OTHER COURSES

- Machine Learning and Deep Learning
- C++ as a Competitive Programming

## Achievements

- Aerothon 2023:// Phase-1 **AIR-10** and National Finals **AIR-9**
- E-Yantra 2023-24 (IITB)// **Qualified** Phase-2

## Experience

### TRAILYTICS | PYTHON DEVELOPER - PRINCIPAL DATA SCIENTIST

Feb 2023 | Remote

- Specialized in advancing **Web Scraping**, **Web Automation**, and **Sales Prediction** ML models boosting efficiency by **25%**.
- Executed A/B tests using SQL, Python, and R for model validation and insights.
- Collaborated with clients like **Nivea**, **Mondelez**, **Mars**, **Wipro**, **Himalaya**.

### AIPROFF | ML IoT ENGINEER

Dec 2024 | Remote

- Boosted **PashuTham** efficiency with **Deep Learning** models for **Computer Vision**, achieving **96% accuracy** and improved field coverage.
- Designed and fine-tuned **Large Language Model (LLM)** chatbots, improving user interaction and engagement for **Session Mate** and **PashuTham**.
- Deployed **Edge-AI** solutions on **ARM boards** (Jetson Nano, Raspberry Pi), optimizing cost and performance by **20-30%**.
- Delivered impactful **Machine Learning** model implementations, driving efficiency in **AI-powered IoT devices**.

### ATIGRO | AUTOMATION AND AI ENGINEER

Nov 2023 | Remote

- **Automated 30+** web tasks with efficiency.
- Contributed to the development of a variety of **AI tools** optimized by **10-15%**.

## Projects

### AI DRONE CONTROLLING | [Code](#)

- Utilized **Edge-AI technology** in drone manufacturing.
- Built an object detection model with **YOLO framework**, achieving **93.8%** accuracy.
- Developed a **30% more compact**, **industry-ready drone** and established communication with an ARM board.

### PASHUTHAM | [Link](#)

- Developed a CV model with **91%** accuracy, optimized for SBCs.
- Processed IP camera feeds with **99% fail-safe detection** and alarms.
- Integrated **AWS & Firebase** for efficient management and insights

### IMAGE CAPTIONING | [Code](#)

- Implemented **Natural Language Processing (NLP)**.
- **Fine-tuned Pre-trained model** to extract features of an image by **98%**.
- Created **84% accurate Image Captions** utilizing image features.

## CODING PLATFORMS

- Leetcode:// **aspirers04** (Completed Question **500+**)
- Codeforces:// **aspirers04** Newbie (max rating **1044**)
- Codechef:// **aspirers04** 2 star (max rating **1457**)

## POSITION OF RESPONSIBILITIES

**SAE COLLIGEATE CLUB MMMUT CHAPTER | EXECUTIVE MEMBER**