

LAKSHIT UPRETI

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EDUCATION

Indian Institute of Information Technology Nagpur, *B. Tech. in Computer Science and Engineering* |
Nagpur, Maharashtra, INDIA

May 2025

Related Coursework:, Data Science, Machine Learning, Operating Systems, DBMS, Computer Networks, Object Oriented Programming, Deep Learning.

EXPERIENCE

THE OUTIST, *Web Development (Tech Consultation)* | Remote(India)

Dec 2023

- Designed and constructed the front-end of a website, focusing on user interface and functionality enhancements.
- Collaborated with a partner to enhance CMS capabilities, achieving a **40%** reduction in content publishing time.
- Thoroughly recorded technical aspects of the project, including system architecture and development processes.

NULL Class, *Data Science* | Remote (India)

Jun 2024

- Created a full French-to-English and Spanish-to-English translation application with 98% accuracy for their course.
- Leveraged OCR to extract text from images and integrated a translation API for converting French text to English.

SKILLS

Languages	C++, Python, SQL
Data Science and ML	Exploratory Data Analysis, Modeling, Deep Learning, Computer Vision, Image Classification, Natural Language Processing, Text Classification, Statistics, TensorFlow, OpenCV, Keras.
Software	PowerBI, MySQL, MS Excel

PROJECTS

Pokémon Doppelgänger : Predicting your Pokémon lookalike, | [Link](#)

Apr 2024

- Developed a ML model enabling users to upload their photo and get a Pokémon character resembling them.
- Implemented CNN algorithms to extract facial embeddings of humans and Pokémon.
- Used similarity comparisons to determine which Pokémon looks similar to the user with **49.3%** accuracy.

Hand Tracking and Gesture Recognition | [Link](#)

May 2024

- Engineered a robust hand tracking system using OpenCV, enabling real-time gesture recognition and interaction.
- Implemented hand gesture-based volume control, allowing users to intuitively adjust audio with specific movements.

Emotion Recognition : Machine Learning for emotion detection | [Link](#)

Apr 2024

- Constructed a system using OpenCV to detect facial expressions and infer emotions in real time.
- Employed pre-trained models to classify emotions based on extracted features with an accuracy of **51.2%**.

Certificates

Introduction to Statistics – <i>Coursera(Stanford University)</i>	Sep 2023
Data Analysis with Python – <i>Coursera(IBM)</i>	Oct 2023
Machine Learning with Python – <i>Coursera(IBM)</i>	Oct 2023
Machine Learning with Python – <i>Coursera(IBM)</i>	Nov 2023
Data Visualization with Python – <i>Coursera(IBM)</i>	Nov 2023
Power BI Training For Data Science – <i>Udemy</i>	Feb 2024

Achievements

- Rated 3* at CodeChef with a maximum rating of 1613
- Achieved a peak LeetCode rating of 1707