LAKSHIT UPRETI

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EDUCATION

Indian Institute of Information Technology Nagpur, *B. Tech. in Computer Science and Engineering* | 2025
Nagpur, Maharashtra, INDIA

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

EXPERIENCE

THE OUTIST, *Web Developer (Front-end & Tech Consultation)* | Remote(India) 2023

- Designed and constructed the front-end of a website; collaborated with a partner to significantly enhance the CMS capabilities, resulting in a **40%** reduction in content publishing time.
- Thoroughly documented technical aspects of the project, including system architecture and development processes.

Self Employed, *Freelancer* | Remote (India) 2022 - Present

- Engaged in various small-scale projects, spanning UI design, WordPress website development, data analytics and teaching, facilitating clients in enhancing their productivity and workflow efficiency.

SKILLS

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

PROJECTS

Pokémon Doppelgänger : Predicting your pokémon lookalike, **| Link** 2024

- Developed a ML model enabling users to upload their photo and get a Pokémon character resembling them.
- Implemented CNN algorithms to extract facial embedding of human and Pokémons.
- Used similarity to compare both embedding to predict which Pokémon looks similar to the user with **49.3%** accuracy.

Emotion Recognition : Machine Learning for emotion detection **|** ***Link*** 2024

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

Stock Price Prediction : Monte Carlo Simulation **|** ***Link*** 2024

- Employed Monte Carlo simulation to predict future stock prices by analyzing historical data.
- Orchestrated statistical analysis initiatives utilizing numpy and scipy libraries to derive key insights.

Real Time Systems Scheduling Algorithms **|** ***Link*** 2024

- Built 4 prominent Real Time Systems Scheduling algorithms: RMS, DMS, LST, and EDF.
- Created a task generator capable of generating 100s of task sets, enabling comprehensive testing of algorithms.
- Engineered an intuitive information architecture for seamless navigation and enhanced user comprehension.

Certificates

Introduction to Statistics – | *Coursera(Stanford University)* 2023
Data Analysis with Python – | *Coursera(IBM)* 2023
Machine Learning with Python – | *Coursera(IBM)* 2023
Machine Learning with Python – | *Coursera(IBM)* 2023
Data Visualization with Python – | *Coursera(IBM)* 2023
Hands-On Power BI Training For Data Science – | *Udemy* 2023

Achievements

- Rated 3* at CodeChef(1613 max.)
- Rating of 1700+ on LeetCode(1702 max.).