Lokesh Chaudhari

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Computer Science and Engineering
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Github
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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech (CSE)	Indian Institute of Technology, Jodhpur	6.67 (Current)	2021-Present
Senior Secondary	HSC Board	91.0%	2021
Secondary	CBSE Board	94.4%	2019

Experience

- **Data Scientist Engineer Intern** *Feb 2024 - Apr. 2024*
  PSYLIQ Online
  – Utilized machine learning techniques to analyze and interpret complex data sets. Developed predictive models to identify trends and forecast outcomes.
  – Implemented data preprocessing and cleaning procedures to ensure data integrity.

Projects

- **Face-Clustering-WebApp** *July. 2024*
  Live Url | Github
  – Developed a robust face-clustering web application using the Face Recognition library, achieving accurate detection, encoding, and clustering of faces from uploaded images.
  – Implemented a dynamic clustering algorithm and an intuitive web interface with Flask, enabling seamless user interaction and efficient face group visualization.
  – Optimized the application for real-time processing and scalable deployment, enhancing user experience and system performance.

- **What to watch next** *Jan. 2024*
  Live Url | Github
  – Developed and implemented a cutting-edge movie recommender system utilizing deep learning techniques, showcasing proficiency in neural network architectures and natural language processing (NLP) algorithms.
  – Deployed the recommender system, demonstrating expertise in model deployment and integration with industry-standard tools.

- **Garbage Detection** *Oct. 2023 - Dec. 2023*
  Github
  – Implemented garbage detection system using YOLOv7, demonstrating proficiency in state-of-the-art computer vision techniques.
  – Enhanced model accuracy through meticulous fine-tuning and optimization, achieving robust identification of diverse waste categories in real-world environments.

- **Object Detection using SIFT** *Jan. 2024 - Feb. 2024*
  Github
  – Implemented SIFT from scratch and use it between images for object finding/identification.
  – Apart from object identification, we've applied the algorithm for similarity detection as well on live images taken from camera. For application, did real time detection.

Key Courses Taken

- Computer Vision, Data Structure, Algorithms, DBMS, Pattern Recognition and Machine Learning, Artificial Intelligence, Web Services, Operating System, Natural Language Understanding.

Technical Skills

- **Programming:** C/C++, Python, R, JavaScript
- **Data Analysis:** Machine Learning, Statistical Analysis, Predictive Modeling
- **Tools & OS:** Git, Jupyter Notebook, Google Colab, Linux, Windows
- **Web Skills:** HTML/CSS/JS, ReactJS/NextJS, Flask, MongoDB

Positions of Responsibility

- **Assistant Head in Resources,** Ignus'23
  – Engaged with educational institutions and corporations across diverse sectors, serving as ambassadors for both the college and the festival