SOURABH LIGADE

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EDUCATION

BSC IN STATISTICS
ABASAHEB GARWARE COLLEGE,PUNE
Pune,India | May-2022

HIGHER SECONDARY (HSC)
LAXMANRAO APTE JUNIOR COLLEGE,PUNE
Pune,India | May-2018

SECONDARY (SSC)
ST.JOSEPH'S BOYS HIGH SCHOOL,PUNE
Pune,India | May-2016

SKILLS

PROGRAMMING
Languages
•Python •Javascript •SQL
•MySQL •HTML •CSS

FRAMEWORKS
•DJANGO •OpenCV •RESTAPI
•Numpy •Flask •Pandas

DEVOPS
•Docker •Git •Github
•Gunicorn •Whitenoise

COURSEWORK
•Data Structures and Algorithms
•Machine Learning •Statistics
•System Design

ACHIEVEMENTS
•Bronze Pull Shark(Github Open
 Source Contributions)
•State Level Footballer
•Athletics at Competitive level

LINKS

Linkedin Github Blogs Twitter

Experience

MACHINE LEARNING INTERN AT YHWORKS
Pune,India | April 2024 - Present
- Built a **object detection system** using **Python**, **YOLO(CNN-based)**, and **OpenCV**, achieving a precision rate of **95%,** and enhanced it with a **color detection** feature using **k-means clustering** to identify **dominant colors** for **each detected object**.
- Utilized Python's **OpenCV** for **image preprocessing**, extracting **pixel RGB values** to identify and isolate **dominant colors**, resulting in a more than **50%** enhancement in **processing speed**.
- Integrated the system into a **Django** web application for detecting **objects** from **images** and **videos**, **reducing** processing **time** by 40%.

PROJECTS

TryYourClothes.com :A VIRTUAL TRY-ON WEB APPLICATION USING PYTHON, REACT AND DJANGO
Pune,India | July 2024 - Present
- Implementing a virtual try-on feature using React, Django, and Python, leveraging **YOLO deep learning model** and **DeepFashion dataset** to **enhance user** engagement and **shopping experience.**
- Developing a dynamic and responsive UI in React for **instant previews** of **clothing items.**

Wormyreads.com :FULL-STACK DJANGO APPLICATION WITH REVIEW, WISHLIST AND USER AUTHENTICATION
Pune,India | Feb 2024 - April 2024
- Developed and maintained a web application using **Python**, Django, and related technologies, resulting in a **25% increase** in user engagement and a **20% improvement** in platform functionality.
- Designed **RESTful web services** and **API**s, resulting in a **25% increase** in application functionality.
- Implemented custom Python code to extend **Django** application, resulting in a **30% reduction** in development time and a **15%** increase in overall code quality.
- **Tech Stack: PYTHON | DJANGO | JAVASCRIPT | POSTGRESQL DJANGO REST FRAMEWORK | HTML | CSS**

OPEN-SOURCE CONTRIBUTIONS(Contributions)
- Apple Inc. - Webkit | Microsoft - Data Science for Beginners | Facebook - IOS-SDK | PyTorch | OpenAi

DIALECT DECODED:PRECISION ANALYSIS AND STATISTICAL INSIGHTS INTO LANGUAGE PLATFORMS
Pune,India | JUN 2023
- Emphasizing the practical application of **statistical analysis** in assessing the precision of **five translation platforms** (**Google, Microsoft Bing**, Yandex, Lingnavex, Translateking) across t**hree distinct languages** (English, Marathi, Hindi).
- A comprehensive **dataset of 6000 sentences** was curated using **RSG**
- Statistical methodologies-**Box-Cox Method**,**Fisher's Exact Text.**