

Varun Singh

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Projects

Number Plate Detection and Recognition | Machine Learning, Deep Learning

"Achieve advanced number plate detection and recognition effortlessly using our Python program, leveraging opencv, PyTesseract, YOLOv5, and EasyOCR for fast and reliable results."

Used Modules: **OpenCV, Numpy, Pytesseract, Torch, EasyOCR, YOLOv5**

Crowd Counting | Deep Learning, Image Processing, AI

"Simple yet reliable model that can accurately count the number of people in a picture, using the MobileNet model and opencv and numpy libraries. "

Used Modules: **OpenCV, Numpy, MobileNet Model**

Cat v/s Dog Classification | Computer Vision, Machine Learning

"Unlock the potential of advanced computer vision using our Python solution, integrating OpenCV, NumPy, and a robust Caffe model. Effortlessly discerning between cats and dogs with our high-performance classification system."

Used Modules: **OpenCV, Numpy, Caffe Model**

EXPERIENCE

BSES RAJDHANI POWER LIMITED — Intern

FEBRUARY 2024 - PRESENT

- Currently interning at BSES Delhi, actively engaged in executing tasks assigned by the team to gain hands-on experience and contribute to organizational goals.

Insyst Labs — Intern

JUNE 2023 - AUGUST 2023

- Worked on **Number Plate Detection and Recognition** which was a live project based on Deep Learning and Machine Learning for Insyst Labs, Noida.
- It required the use of important libraries such as OpenCV, Numpy, Pytesseract, Torch, EasyOCR.

Spread Smile Foundation (Gr. Noida) — NGO Teaching Mentor

MARCH 2023 - PRESENT

- Providing quality education and basic necessities of life to marginalized communities.

SKILLS

Python

R programming

Java

C++, C

MS SQL, MySQL

MS Excel

Data Structures & Algorithms

Machine Learning

Web Scraping

Data Analysis

Web Development

(Full Stack)

CERTIFICATES

- Letter Of Internship:

■ **LOC INSYST LABS.pdf**

EDUCATION

Gautam Buddha University — Bachelor of Technology

Computer Science & Engineering
(2020 - 2024)

Combined CGPA:8.54

Dev Samaj Modern **School(CBSE) — 10+2**

2020/PCM

Class Representative, and active
in extracurricular activities.

LANGUAGES

English and Hindi.