Aparnesh Shukla

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# EDUCATION

## GL BAJAJ INSTITUTE OF TECHNOLOGYANDMANAGEMENT

B.Tech in Computer Science

2020 - 2024 | GB Nagar, U.P CGPA: 7.9/10.0

## RRD S V N I C RAJAPUR PRAYAGRAJ

Intermediate

May 2019 | Prayagraj, UP

## SNB INTER COLLEGE RAMPUR GARARI

High School May 2017 | Gorakhpur, UP

# LINKS

Github:// [AparneshShukla](https://github.com/AparneshShukla)

LinkedIn:// [aparneshshukla](https://www.linkedin.com/in/aparnesh-shukla-53b7a82a7) LeetCode:// [aparnesh-shukla](https://leetcode.com/AparneshShukla/)

# COURSEWORK

## UNDERGRADUATE

Data Structure And Algorithms

Computer Organisation and Architecture

Operating System

Database Management System

Computer Network Machine Learning

# SKILLS

## PROGRAMMING

* C/C++17
* HTML/CSS
* Python
* Dart
* NOSQL

## MISCELLANEOUS

* Docker
* Flutter
* Flask
* Git/GitHub
* API
* Jupyter Lab, Linux
* Android Studio, VS code

## PROBLEMSOLVING

* Data Structures Algorithms
* Code Debugging
* Code Optimization

# PROJECTS

## PPEVIOLATIONDETECTION

Oct 2022 – Dec 2023 | GB Nagar, UP

•Programming language: Python

•Tools: Vs Code, Jupyter Lab, NVIDIA A100

•The PPE jacket and helmet is detected via live or captured video inferencing. ’No jacket’, ’No helmet’, ’Safe’, ’Unsafe’ classes have been created. This is an Object detection project implemented by training the model with custom dataset and YOLOv7.This project also notify the authority by sending then Gmail alert as there is any class detected than safe.

## UNIFORMVIOLATIONDETECTION

Oct 2022 – Dec 2023 | GB Nagar, UP

* Programming language: Python
* Libraries: Numpy, Pandas, opencv
* Framework: flask
* Tools: Vs Code, Jupyter Lab, Docker, NVIDIA A100
* The Uniform of a student is detected via live or captured video inferencing. ’Not-Uniformed’, ’No-Tie’, ’Uniformed’ classes have been created. This project implemented by training the model with custom dataset and YOLOv7.This project notifies the authorities by sending Violation List through Gmail alert.

## OTHERCOMPUTERVISIONPROJECTS

People Counting, Footage Condensing, Video Summeraization

Aug 2022 - Sep 2022 | GB Nagar, UP

* Programming language: Python
* Libraries: Numpy, Pandas, opencv-python

•Tools: Vs Code, Jupyter Lab

•Framework: Flask

# CERTIFICATIONS

## INTRODUCTIONOFC++FROMCODINGNINJA

[•ClickHere](https://drive.google.com/file/d/1wHDWylOFJPlkXLICS25kM6juz3BWc6VR/view?usp=drive_link)

C++ is a powerful and versatile programming language. The STL is a collection of C++ template classes to provide generalpurpose classes and functions with templates that implement used algorithms and data structures, such as vectors, lists.

## 4-WEEKVIRTUALINTERNSHIPPROGRAMINGENERATIVEAI

[•ClickHere](https://drive.google.com/file/d/1xGh7KPvw-rTGCs64V_ld2BVHWhjP2Qv7/view?usp=drive_link)

The program has been given an introductory generative AI course and using different generative AI models and their api including gpt-3 api to make web application.

## ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING USING NVIDIAA100(08/2022-08/2023)

[•ClickHere](https://drive.google.com/file/d/1ZeXsfqZ6LRsiKL8a8MqDIVzWl9Mj9la8/view?usp=drive_link)

This training gave a real experience of team work and amazed how AI deep learning models are trained, implemented with different ways. By using Nvidia A100 GPU deployed projects. Learned Linux commands, Docker commands, Explored deep learning models for computer Vision.