Yash Tyagi

Greater Noida, Uttar Pradesh, India

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Education

G.L Bajaj Institute Of Engineering And Technology   Nov. 2021 – Aug. 2025
Bachelor of Technology in Computer Science and Engineering   *6.8 CGPA Greater Noida, U.P*

Nalanda Public School   Sept. 2021
Intermediate-XII   *92.80% Charthawal, U.P*

Nalanda Public School   Sept. 2021
High School-X   *89.80% Charthawal, U.P*

Relevant Coursework

- Data Structures
- Analysis Of Algorithm
- Web Technology
- O.O.Ps
- Software Engineering
- Database Management
- Operating Systems

Projects

Driver Drowsiness Detection System | *Python, OpenCV, dlib, scikitlearn* | 🔗 Github   Apr. 2024

- Developed a Drowsiness detection system using **OpenCV** for image and video processing tasks.
- Implemented face detection and facial landmark localization using **dlib**'s pre-trained models.
- Utilized **NumPy** for numerical operations and array manipulation, enhancing the efficiency of facial landmark processing.
- Evaluated the performance of the system using metrics provided by **scikit-learn**.

Pedestrian Detection System | *Python, Computer Vision, OpenCV, scikitlearn* | 🔗 Github   Dec. 2023

- Developed a Pedestrian Detection System using **computer vision** and programmed using **Python**.
- Utilized **OpenCV** for image processing tasks including reading, resizing, and drawing rectangles around detected pedestrians.
- Employed **imutils** for efficient image resizing while maintaining aspect ratio, enhancing the accuracy of pedestrian detection.

Technical Skills

Languages :C/C++, Python, Java, HTML/CSS, JavaScript, MySQL, MongoDB
Developer Tools: VS Code
Technologies/Frameworks: Hadoop, GitHub, WordPress

Achievements

- Achieved a badge in Cloud Architecting by Amazon 🔗 Certificate
- Achieved a badge in Cloud Foundations by Amazon 🔗 Certificate