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| Aspiring ML Engineer  Nilesh Kumar Yadav | +91 7217666147 |contact.nileshy@gmail.com  <https://www.linkedin.com/in/nileshyadavme/>  <https://nileshyadav.vercel.app/>  New Delhi, Delhi, India - 110043 |

# Skills

Programming LANGUAGE: Python, java, C/C++

libraries: Numpy, pandas, sklearn, nltk, opencv, matplotlb/seaborn, scipy, Stream-lit, Meta-flow

Frameworks: Tensorflow, flask, django

Container and orchestration system: docker

Database systems: mysql, postgresql (with pgadmin4 or datagrip)

No-sql: mongodb

Big data frameworks: apache spark

Visualization tools: tableau, power bi

Version control: git/github

Markup language: html, markdown

Others: statistics & probability, calculus, linear algebra, model building and deploying

# Projects

Physics Engine Development using C++ and SFML – Personal Project **–** GN, UP February 2023

* The project aims to develop a physics engine from scratch using C++
* The physics engine was able to simulate physical interactions between objects in a virtual environment, taking into account various forces such as gravity, friction, and collision forces.
* The engine was developed with an object-oriented approach, making use of classes and inheritance to encapsulate data and behavior of different physical objects.

Video Calling Application for Smart India Hackathon – Personal Project **–** GN, UP December 2023

* Led the development of a Video Calling Application as part of the Smart India Hackathon.
* Designed and implemented features for seamless real-time communication between users.
* Employed WebRTC and other relevant technologies to ensure low-latency video and audio transmission.

Emotion Detection System – Personal Project **–** Delhi, IN November 2021

* Developed an Emotion Detection System leveraging OpenCV, TensorFlow, and NumPy libraries.
* Implemented computer vision techniques to analyze facial expressions in real-time video streams.

# Work Experience

ACCOMMODATION coordinator **–** YRC - Galgotias University, UP 11 November 2022 - 13 November 2022

* Orchestrated the accommodation logistics for a diverse array of distinguished guests attending the Young Research Conclave, leading a team of over 20 individuals.
* Successfully accommodated high-profile guests, including the Director of Cognizant, renowned surgeons, doctors, and representatives from various NGOs, catering to their specific requirements and preferences.
* Collaborated closely with event organizers to maintain a high standard of hospitality and uphold the event's reputation for excellence.

# Education

**Bachelor of Technology - Computer Science Engineering**  – Galgotias University, Greater Noida, UP October 2022 - March 2026