

# Hritik Gupta

Linkedin: <https://www.linkedin.com/in/hritik-gupta-ml/>

Github: <https://github.com/hritikgupta01>

Email : hritik3696@gmail.com

Mobile : +91-953-211-5855

## Skills Summary

**Languages:** Java, Python, SQL, JavaScript

**Frameworks:** Flask, NodeJs,

**Tools:** GIT, MongoDB, MySQL, SQLite, ReactJs, Aws EC2, ExpressJs

**Platforms:** Linux, Windows, Web, Arduino, Raspberry

**Soft Skills:** Leadership, Directorate, Writing, Time Management

## Education

**Noida Institute of Engineering and Technology**

Greater Noida, Up, India

*Bachelor in Computer Science and Engineering with Artificial Intelligence; GPA: 8.54* Nov 2020 - May 2024

*Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Machine Learning, Networking, Databases, Web Development*

## Experience

**iNeuron**

Bengaluru, India

*Software Developer Engineer Intern*

Mar 2023 - Apr 2023

- Created a regression model for **Metro Interstate Traffic Volume** forecasting with a low **RMSE of 0.37**.
- Experience in performing data analysis using Python, NumPy, Pandas, Scikit-Learn, and Jupyter.
- Performed data cleaning, preprocessing, exploratory, and deep dive analysis to fetch meaningful insights.
- Tested and Validated **CatBoostRegressor**, **AdaBoostRegressor**, and **XGBRegressor** to determine the optimal model. **CatBoostRegressor** 17% more accurate than others.
- Skilled in creating documents LLD, HLD, using Azure DevOps.

**Noida Institute of Engineering and Technology**

Greater Noida, India

*Machine Learning Engineer Intern*

Sep 2022 - Nov 2022

- Developed a Calling Bot solution that effectively updated parents on their child's attendance with a 99% success rate, significantly reducing workload by 80%.
- Facilitated over 1500+ calls, in significant time savings and improved efficiency.
- Developed the software using Python and leveraged Twilio API to enable backend calling functionality. Utilized AWS EC2 for deployment and SQLite for data storage.

**IDR Research and Development Pvt. Ltd**

Greater Noida, India

*Machine Learning Engineer Intern*

Nov 2021 - May 2022

- Implemented and integrated Drone (UAVs) with COMPUTER VISION applications involving vehicle plate recognition, image segmentation, Real-time object tracking and person detection.
- Led team to achieve 20% increase in FPS for object detection and reducing action time to 0.05ms through image segmentation for decision making.
- Utilized Python, MobileNet, Darknet, YOLOv5, YOLO7, OpenCV, TensorFlow, Torch, and Raspberry Pi for image processing and computer vision tasks.

## Projects

- Chat application (**link:** <https://m-talk.onrender.com/>): Developed a robust chat application using ReactJS, NodeJS, ExpressJS, MongoDB, SocketIO, and Chakra UI. Implemented real-time messaging with user authentication and secured data storage. Leveraged Render server for seamless deployment and scalability.
- Digit Image Generator - GAN (**link:** <https://hritikguptagan.pythonanywhere.com/>): Developed GANs using Python, OpenCV, TensorFlow, and Keras to generate digit images for data augmentation, leading to a 20% improvement in model accuracy after 100,000 epochs on a 60,000-image MNIST digit dataset.
- Movie Recommendation System (**link:** [https://hritik211.pythonanywhere.com/movie\\_recommend/](https://hritik211.pythonanywhere.com/movie_recommend/)): Created a content-based movie recommendation system with a 92% accuracy rate using Python, NLP, Flask, and Pythonanywhere, resulting in a 60% increase in user retention.
- Gender Predictor API (**link:** <https://tinyurl.com/2ufznfaj>): Designed to predict the gender based on name.

## Honors And Awards

- Impressively solved over 700 DSA problems on LeetCode, GFG, and HackerRank.
- Ranked among the top 50 in problem-solving on Geek for Geeks out of 3100 participants.
- Winner of Sharda University's 2022 Tech Pitch championship.

## Certifications

CodeStudio's technical interview Guide for product-based companies: offers valuable insights and resources for building AI-powered applications.