

GAURAV GUPTA

Khanna, Punjab | 9888143785 | gauravgupta9697@gmail.com | linkedin.com/in/gaurav-gupta-000283200 | Portfolio

WORK EXPERIENCE

Flynovate (Certificate Link)

Feb 2023 – June 2023

Machine Learning Engineer

Delhi, India

- In addition to the creation of a **YOLOv5** classification model, annotated 1000+ images on **Roboflow**.
- Optimized two separate algorithms and decreased the latency from 35 seconds to 2 seconds in a colour masking algorithm.

Samsung R&D Institute (Prism)

Sep 2022 – June 2023

Research Intern

Patiala, Punjab

- Differentiated data in 16 classes by carrying out data collection and annotation tasks within the role.
- Efficiently deployed the YOLOv5 object detection model using Streamlit with model accuracy of 75%.

Defence Research and Development Organization (Certificate Link)

June 2022 – July 2022

Project Intern

Delhi, India

- Developed an automated logo inserter application utilizing OpenCV for logo placement detection and overlay onto selected images with 8 possible positions.
- Employed HTML and CSS for Frontend Development and integrated Flask backend and SQL directory for user credentials, image, and logo storage.

SKILLS

- | | | | |
|----------|--------------|---------------------|------------------------|
| – C | – JavaScript | – Machine Learning | – Communication skills |
| – C++ | – NodeJs | – DSA | – Adaptability |
| – Python | – ReactJs | – OOPS | – Leadership |
| – HTML | – MongoDB | – DBMS | – Problem Solving |
| – CSS | – SQL | – Operating Systems | – Troubleshooting |

PROJECTS

KIDLY (Live Link) | Web Development

- Utilized **HTML**, **CSS** and **JavaScript** for an engaging interface that attracts children.
- Made the website live using Netlify and achieved a page load time of 3 seconds which is in accordance with industry standards.
- A comprehensive learning website for children. It is a very interactive and visually appealing site which will make learning fun and easy for children using games and quizzes.

Heart Disease Prediction (Live Link) | Machine Learning

- Designed a portal for predicting heart disease using an ensemble method to enhance accuracy to 97 % aggregate.
- Incorporated **Shapley values** and **Permutation Importance** to identify the contributing factors of the disease for particular prediction.
- Provided a user-friendly interface with Python and Streamlit and hosted it on Streamlit Cloud.

Mobile Price Prediction | Machine Learning and Web Development

- Used HTML and CSS to create a user-friendly interface.
- Developed a Machine Learning model integrated with Flask framework and SQLite database for data-driven predictions and real-time applications with 93% accuracy.

EDUCATION

Thapar Institute of Engineering and Technology

CGPA-8.11/10.00

Bachelor of Technology in Computer Science

Sept 2020 -Present

12th-D.A.V. Public School, B.R.S. Nagar, Ludhiana

Mar 2019 - Mar 2020

Percentage - 96.00%

Ludhiana, Punjab

ACHIEVEMENTS

- **GFG** – ggupta4be20 * 200+ problems solved
- **Leetcode** – gaurav0205 * Maintained a daily streak of 200+ questions
- **Codechef** – gaurav0205 * Ranked 81 out of 21000 on Codechef in October Challenge 2021 Division 3 contest.
- **CodeStudio** – gaurav0205 * Part of Master League at codestudio
- Delivered a guest lecture on **Handling errors in ML and DSA** at TIET. (Certificate Link)