

## Priyanshu Prasad Gupta

Ranchi, Jharkhand 834008

📞 9771113441 ✉️ priyanshugupta161@gmail.com 🔗 [linkedin.com/in/priyanshu-prasad-gupta/](https://www.linkedin.com/in/priyanshu-prasad-gupta/)  
🐙 [github.com/Priyanshu2763/](https://github.com/Priyanshu2763/)

## Internship

### DSA Training (84 Hours) | Hitbullseye in collaboration with Lovely Professional University May 2023 - July 2023

- Successfully completed a competitive programming training program focused on data structures and algorithms.
- Gained practical experience in solving algorithmic problems, optimizing code, and improving problem-solving speed across diverse platforms.

## Projects

### Combining Autocorrect, Spellchecking, and Named Entity Recognition Using Probabilistic and Sequence Models Sep 2024 - Oct 2024

- Developed a Python-based machine learning model using a Kaggle dataset to predict house prices.
- Implemented probabilistic and sequence models to enhance accuracy and efficiency. Utilized the Shakespeare dataset from Kaggle for training and evaluation.
- Github Repository Link: <https://github.com/Priyanshu2763/natural-language-processing-term-paper>

### Food Recommendation System Based on Nutritional Values

Sep 2024 - Nov 2024

- Developed a recommendation system that suggests food items based on nutritional content.
- Utilized a K-Nearest Neighbors (KNN) model with cosine similarity as the distance metric.
- Preprocessed textual (ingredients) and numerical (calories, protein, carbs) data using TF-IDF and StandardScaler.
- Github Repository Link: <https://github.com/Priyanshu2763/Machine-Learning-2-term-paper>

### Sudoku solver visualizer using JAVA & SWING

May 2024 - Jun 2024

- Developed a Java-based Sudoku solver leveraging backtracking and recursion to solve puzzles automatically.
- Implemented functionality to randomly initialize Sudoku grids for dynamic problem generation.
- Designed and integrated a user-friendly visual interface using Swing for interactive visualization of the solving process.
- Github Repository Link: <https://github.com/Priyanshu2763/Sudokusolvervisualizer>

### NUMBER GAME USING PYTHON

Oct 2022 - Nov 2022

- Designed a Python-based interactive game where players guess a randomly generated number within a specified range.
- Implemented input handling, random number generation, and score tracking.
- Provided feedback on the number of attempts and final score to enhance user engagement.
- Github Repository Link: <https://github.com/Priyanshu2763/pynumgame>

## Technical Skills

**Languages** C++, Java, Python

**Database** MySQL, MongoDB

**Technologies/Frameworks:** Git, GitHub, Ubuntu

**Skills:** Data Structures and Algorithms, Problem-Solving, Machine Learning

## Education

### Lovely Professional University Punjab

2022 – 2026

Computer Science and Engineering — CGPA: 9.23

Jalandhar, Punjab

### DAV Public School, G.N., CCL

2020 – 2021

12th with Science — Percentage: 81%

Ranchi, Jharkhand

### DAV Public School, G.N., CCL

2018 – 2019

10th with Science — Percentage: 82%

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