Priyanshu Prasad Gupta

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TECHNICAL SKILLS

- **Languages**: C/C++, Java (Proficient), Python.
- **Frameworks**: HTML and CSS, JavaScript
- **Database:** MySQL, MongoDB
- **Developer Tools:** VS Code, Git

TRAINING

DSA Training | Hitbullseye in collaboration with Lovely Professional University (May 2024- Jun 2024)

• Completed 84 hours of hands-on training in Data Structures and Algorithms with a focus on competitive programming and problem-solving efficiency.

Cloud Computing Training | CipherSchools & LPU (Jan 2025- Feb 2025)

• Completed a project-based training program on cloud computing fundamentals, deployment models, and service management.

PROJECTS

- **Combining Autocorrect, Spellchecking, and Named Entity Recognition Using Probabilistic and Sequence Models (Nov 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.
- **Food Recommendation System Based on Nutritional Values (Oct 2024)**
  - •Developed a recommendation system that suggests food items based on nutritional content.
  - •Utilized a K-Nearest Neighbours (KNN) model with cosine similarity as the distance metric.
  - •Pre-processed textual (ingredients) and numerical (calories, protein, carbs) data using TF-IDF and StandardScaler.
- **Sudoku solver visualizer using JAVA & SWING (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.
- **NUMBER GAME USING PYTHON (Sep 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.
- **Stationary shop website using CSS, JavaScript and HTML (Aug 2022)**
  - •Designed and developed a simple two-page website showcasing basic functionality and layout.
  - •Utilized HTML for structure, CSS for styling, and JavaScript for interactive features.

Certificates

- **Introduction to MongoDB for Students**
- **ChatGPT Advanced Data Analysis**
- **Generative AI with Large Language Models**
- **Introduction to Hardware and Operating Systems**

EDUCATION

- **Lovely Professional University** — **Punjab, India**
  BTech (Computer Science and Engineering) Coursework: Data Structure, Design, and Analysis of Algorithms, Operating System, DBMS; ***CGPA: 7.28*** — *Since August 2022*
- **DAV Public School, G.N., CCL** — **Jharkhand, India**
  Class XII CBSE ***Percentage: 81%*** — *2020- 2021*
- **DAV Public School, G.N., CCL** — **Jharkhand, India**
  Class X CBSE ***Percentage: 82%*** — 2018- 2019