Priyanka Gupta

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SKILLS

- **Languages**: C++, Java, C, Python
- **Frameworks**: HTML and CSS, TensorFlow, Scikit-Learn
- **Tools/Platforms**: MySQL, Git, GitHub, Visual Studio Code,
- **Soft Skills**: Communication, Team Collaboration, Project Management, Flexibility, Learning and Development

TRAININGS

- **Mastering Data Structure And Algorithms – Theory to Practice**: June-July 2024
  - Comprehensive understanding of fundamental and advanced data structures, including arrays, linked lists, stacks, queues, trees, heaps, and graphs
  - Implementation of efficient algorithms for sorting, searching, and graph traversal
  - Proficiency in time and space complexity analysis to optimize algorithmic performance
  - Practical exposure to competitive programming using **C++**

PROJECTS

- **Anomaly Detection Using Auto-Encoder** : September-October 2024
  - Designed and developed a robust anomaly detection model leveraging deep learning autoencoders
  - Reduced false positives by 15%, significantly enhancing fraud detection capabilities
  - Conducted comprehensive parameter tuning on encoder layers, improving detection precision by 20%, leading to more accurate anomaly classification
  - Deployed the model on real-world datasets, achieving a 92% accuracy rate
  - **Tech Stack:** TensorFlow and Py Torch, ensuring high-performance anomaly identification

- **Stock Market Prediction** February-March 2024
  - Engineered a data-driven stock market prediction system by analyzing 10+ years of historical financial data, providing insights into future price trends
  - Implemented a combination of machine learning models including Linear Regression, LSTM, and ARIMA
  - Achieved an MAE of 2.5% and RMSE of 3.1%, significantly enhancing prediction reliability
  - **Utilized Tech**: Python, Pandas, NumPy, Scikit-learn, and TensorFlow

- **Real Estate Advisor Project** March 2023
  - Designed a Real Estate Advisor application to help users find properties based on budget and preferences
  - Implemented optimized search algorithms, reducing response time by 40%
  - Designed an intuitive and interactive user interface, increasing user engagement by 30% through dynamic filtering and intelligent recommendation systems
  - Used C programming to build a scalable and efficient application

CERTIFICATES

- ChatGPT Advanced Data Analysis by Vanderbilt University — May 2024
- Building AI Apps with ChatGPT, Dall-E, and GPT-4 by Coursera — April 2024
- Introduction to Large Language Models by Google Cloud in Coursera — February 2024

ACHIEVEMENTS

- Successfully optimized C++ algorithms, reducing execution time by 25%, leading to improved efficiency in competitive programming tasks
- Developed and deployed an anomaly detection model that enhanced fraud detection efficiency by 18%, ensuring better security for financial transactions
- Participated in a workshops and university-level hackathon, competing against 50+ teams, showcasing strong problem-solving and coding skills.

EDUCATION

- **Lovely Professional University** — Punjab, India
  Bachelor of Technology - Computer Science and Engineering; ***CGPA: 6.00*** — *August 2022-August 2026*
- **Delhi Public School** — Siliguri, West Bengal
  Intermediate; ***Percentage: 69%*** — *April 2020 - March 2022*
- **Bloom Dale Academy** — Darjeeling, West Bengal
  Matriculation; ***Percentage: 84%*** — *April 2018 - March 2020*