SHALINI SINGH

## Linkedin: **https://**[**www.linkedin.com/in/shalini-singh2004/**](http://www.linkedin.com/in/shalini-singh2004/) Email: shalinisinghapd[j@gmail.com](mailto:ujjwaljain604@gmail.com)

Github : <https://github.com/Shalinisingh2004> Mobile: +91-8967338898

# Skills

* **Languages:** C++, Java, C, Python
* **Frameworks:** HTML and CSS
* **Tools/Platforms:** MySQL
* **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

# Training

**C and C++ Programming June-July 2024**

Courier Management System Using C

* + Developed a **Courier Management System** in **C**, implementing core functionalities such as **account creation, order placement, delivery tracking, and account management**.
  + Designed an **interactive and user-friendly** system to streamline operations for both **customers and courier personnel**.
  + Applied **structured programming principles** to ensure **efficient data handling and real-time tracking**.
  + Utilized **file handling, data structures, and modular programming** to enhance system functionality and scalability.

# Projects

**House Price Predication Using Machine Learning October 2024**

* **Developed a predictive model** in **Python** to estimate house prices with **90%+ accuracy**,

leveraging real estate data from **multiple locations**.

* **Implemented machine learning algorithms** such as **Random Forest, XGBoost, and**

**Linear Regression** to analyze **10+ key factors** influencing prices.

* **Performed data preprocessing**, including **handling missing values, feature scaling,**

**and encoding categorical variables**, improving model efficiency by **30%**.

* **Optimized model performance** through **hyperparameter tuning, cross-validation,**

**and feature selection**, enhancing accuracy by **15%**.

**Twitter Sentiment Analysis Using Natural Language Processing October 2024**

* **Built a sentiment analysis model** using **Machine Learning and Natural Language**

**Processing (NLP)** to classify **50,000+ tweets** as **positive, negative, or neutral**.

* **Implemented data preprocessing techniques** such as **tokenization, stop-word removal, lemmatization, and vectorization**, improving data quality by **40%**.
* **Utilized sentiment scoring algorithms**, including **VADER, TF-IDF, and Word2Vec**, to enhance

sentiment classification accuracy.

* **Optimized model performance** by applying **feature extraction, hyperparameter tuning,**

**and ensemble learning**, increasing accuracy by **20%**.

**Online Coding Practice Website November 2022**

* **Developed an interactive coding practice platform** using **HTML, CSS, and**

**JavaScript**, supporting **5+ programming languages**.

* **Designed a responsive UI/UX**, ensuring **100% mobile and desktop compatibility**

for an optimal user experience.

* **Implemented interactive coding features**, such as **syntax highlighting, auto-completion,**

**and real-time code execution**, improving user engagement by **35%**.

* **Enhanced platform accessibility** with **intuitive navigation, dark mode, and performance optimizations**, reducing page load time by **40%**.

# Certificates

* Certificate for DAA (Coursera) 2024
* Certificate for AI (Coursera) 2024
* Certificate for SQL For Data Science (Great Learning) 2023
* Certificate for fundamental management (Coursera) 2023
* Certificate for DSA (Udemy/NeoColab) 2023
* Certificate for C++ (Coursera/NeoColab) 2023
* Certificate for Python (HackerRank) 2022

Achievements

**Hackathon January 2023**

Participate in the **CTF Competition** Organized by **Indian Cyber Security Solutions.**

# Education

**Lovely Professional University** Punjab, India

* *Bachelor of Technology - Computer Science and Engineering;* ***CGPA: 6.19*** *Since August 2022*

**Stepping Stone Model School** West Bengal, India

* *Intermediate;* ***Percentage: 72%*** *April 2020 - March 2022*

**Stepping Stone Model School** West Bengal, India

* *Matriculation;* ***Percentage: 81.6%*** *April 2019 - March 2020*