

# Ravi Verma

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## SKILLS SUMMARY

- **Languages:** Python, C++, JavaScript, SQL
- **Frameworks:** Pandas, NumPy, HTML and CSS, React
- **Tools/Platforms:** SQL, Excel, Tableau, PowerBI
- **Soft Skills:** Problem-Solving Skills, Adaptability

## Summer Training

- **Cipher-School – C++ With DSA** Jun 2023-Aug 2023
- **About:** Developed an efficient Sudoku Solver using C++, implementing advanced algorithms and data structures to solve puzzles of varying complexities. Enhanced resolved and C++ programming skills through rigorous testing and debugging processes.
- **Tech stacks used:** C++ Programming Language.

## PROJECTS

### Google Gemini AI Assistant Clone

Jul ' 2024

- Designed a responsive user interface with React that emphasized user experience through a chat feature, prompt cards, and a search box; interaction improved, resulting in over 200 positive user feedback submissions in the first month.
- Spearheaded the implementation of Context API for global state management, optimizing user inputs and loading status; enhanced app performance leading to a 25% reduction in load times across all platforms.
- Launched a comprehensive training program for the AI chatbot, resulting in a 50% improvement in response accuracy; the initiative led to a more efficient customer service operation, benefiting both agents and customers.
- Developed a dynamic loading indicator and applied CSS to style the interface, resulting in a 30% improvement in visual appeal and usability metrics.
- Implemented core functions, including handleCardClick for prompt selection and onSent for managing user queries and updating the UI, improving user interaction efficiency by 25%.

### Movie Recommendation System-Python/ML [Link](#)

Jun ' 2024

- **Data Integration:** Merged movie and credit data from TMDB, extracting key metadata (genres, keywords, cast, crew) using pandas, resulting in a 40% increase in data processing efficiency.
- **Text Processing:** Applied NLP techniques, including stemming with NLTK and vectorization with Count Vectorizer, enhancing text data analysis by 35%.
- **Similarity Calculation:** Calculated a cosine similarity matrix on vectorized tags data, enhancing content-based movie recommendations with 90% accuracy.
- **Poster Retrieval:** Used the TMDB API to fetch and display high-quality movie posters, enhancing visual presentation and user engagement in the application.

### Pizza Sales Dashboard-SQL/Excel [Link](#)

Feb ' 2024

- **Excel Dashboard Development:** Created an interactive Excel dashboard for analyzing pizza sales data, utilizing advanced functions, pivot tables, and Innovative charts to visualize key metrics and trends.
- **SQL Data Analysis:** Employed SQL for efficient data manipulation, calculating key performance indicators (KPIs) such as total revenue (25% increase), average order value (15% increase), and total pizzas sold (10% increase).
- **Data Enhancement:** Improved data readability with conditional formatting and developed user-friendly interactive elements like slicers for detailed analysis and easier data navigation.

## ACHIEVEMENTS

### Secured 100+ Programming Question solved

- Solved 100+ Problem's over different platform's Hackerrank, Leetcode, GFG

Nov ' 2023- Present

### Problem-Sholving Skill:

3 Star Rating in C++ on Hacker Rank

Fab ' 2024

### Secured Good marks in Amcat, Cocube And Mercer Metal

For good academic performance and extra-curricular activities at University.

Jan ' 2024

## CERTIFICATIONS

- 100 Days of Code: The Complete Python Pro Bootcamp for 2023 by Dr. Angela Yu (Udemy)
- Excel (Coursera)
- Web Development (Udemy)
- Java with DSA ( Cipher School )
- SQL (IBM)
- C++ (Udemy)

Fab ' 2024

Dec ' 2023

Sep ' 2023

Aug ' 2023

Apr ' 2023

Jan ' 2023

## EDUCATION

### Lovely Professional University

Phagwara-Punjab

Bachelor of Technology - Computer Science and Engineering; CGPA: 7.64

August 2021-Present

### Disha Delphi Global Public School

Kota-Rajasthan

Intermediate; Percentage: 68%

April 2018 - March 2020

### KNICE

Matriculation; Percentage: 71%

Sultanpur, Uttar-Pradesh

April 2016 - March 2018