

# Sahil Singh

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## Skills

- **Languages:** C++, Java, Python, HTML, CSS
- **Tools:** SQL, Pandas, NumPy, TensorFlow, MS Excel

## Education

|  |                        |
|--|------------------------|
| VIT Bhopal University (Expected May 2026)                              | Bhopal, Madhya Pradesh |
| <i>B Tech in Computer Science and Engineering (Health Informatics)</i> | CGPA: 9.13             |
| Lucknow Public School (July 2020)                                      |                        |
| <i>12<sup>th</sup> Standard-CBSE</i>                                   | 91.40%                 |
| Lucknow Public School (May 2018)                                       |                        |
| <i>10<sup>th</sup> Standard-CBSE</i>                                   | 92.34%                 |

## Projects

|                                    |                     |
|------------------------------------|---------------------|
| <b>Hospital Management System:</b> | (Jun 2023-Jul 2023) |
|------------------------------------|---------------------|

- Developed advanced hospital management systems, combining SQL and Python to enhance functionality and streamline operations.
- Designed new functionalities that significantly improved user interaction over 40 percent and ensured seamless workflows for healthcare professionals.
- Enhanced online consultation and face-to-face diagnosis processes, achieving a 30 percent increase in the user database and overall satisfaction.
- Tech Stack: Utilized SQL and Python to develop and enhance hospital management systems, integrating these technologies to build efficient and scalable solutions.

|                                    |                 |
|------------------------------------|-----------------|
| <b>Movie Classification System</b> | (December 2024) |
|------------------------------------|-----------------|

- Developed a movie classification system using K-Nearest Neighbors (KNN) to classify different movie genres.
- Collected & Preprocessed movement data from 300+ samples, ensuring data quality through normalization and feature scaling.
- Trained & evaluated the model on a dataset with 80-20 train-test split, achieving 88% accuracy in classifying distinct types.
- Optimized Performance by experimenting with different K values (from 3 to 15) and distance metrics (Euclidean, Manhattan).
- Tech Stack: Python, Scikit-Learn, NumPy, Pandas, Matplotlib.

## Achievements

- Solved over 100+ complex Data Structures and Algorithms problems across various platforms.
- 3-star rating in C++ and SQL on HackerRank

## Certificates

- Mongo DB Administrator [🔗](#)
- IBM Cybersecurity [🔗](#)

## Extracurricular

- Created 100+ detailed sketches, mastering shading, perspective, and anatomical precision.
- Led a 15-member cricket team to a 75% win rate, combining sharp strategy with team synergy.
- Avid reader with 50+ books under the belt, spanning genres and voices across the literary spectrum.