

# Sahil Singh

Phone: +91 7521093844 | [sahilworks3637@gmail.com](mailto:sahilworks3637@gmail.com) | [Linkedin](#)

## Skills

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

## Education

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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

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### Hospital Management System: (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.

### Movie Classification System (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

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

## Certificates

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- Mongo DB Administrator [!\[\]\(569ff5d1aa9137b5defb690d1175fea6\_img.jpg\)](#)
- IBM Cybersecurity [!\[\]\(59bff645cb030955f45f21c74e7ddbd4\_img.jpg\)](#)

## Extracurricular

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- 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.