

# Ritik Poonia

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## Summary

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Enthusiastic undergrad adept in algorithms with a proven ability to navigate complex challenges and devise inventive solutions. Proficient in C, Python, and C++, with precision in crafting efficient, scalable solutions. Experienced in machine learning, database management, and collaborative projects. A swift learner with strong communication and eager to apply technical skills for innovative contributions.

## Education

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KLE Technological University | Hubli, Karnataka  
**Computer Science Engineering (07/2020 – 07/2024)**  
CGPA: 8.5

Army Public School, Bhopal  
PCM | 2019

## Experience

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Dassault Systemes | Karnataka, Bangalore  
**Software Engineer Intern** (01/2024 – Present)

## Projects

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Optimized Image Storage and Retrieval on Hadoop (09/2022 - 01/2023)

- Proposed a distributed architecture framework to optimize memory usage and to effectively retrieve relevant data using content-based image retrieval.
- The experimental results show that the proposed model enhances storage performance and retrieval time.
- The dataset used for the project was NIH Chest Xray Dataset.
- Published a research paper for this project in ITM Web of Conferences 53, 03001 (2023) ICDSIA - 2023.

Yelp Business Data Analysis (03/2022 - 06/2022)

- Spread-headed an in-depth analysis of data from prominent Shopping Centers across USA by leveraging the rich business data available on Yelp.  
By leveraging advanced analytical techniques, I successfully uncovered valuable patterns and trends in the performance of the shopping centers. Made use of the analysis to provide actionable recommendations for business growth.

## Skills

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**Technical Skills:** HTML, CSS, Core Java, C++, Python, Machine Learning, Deep Learning, Computer Vision  
**Soft Skills:** Time management, Communication skills, Adaptability Quotient, Resilient Optimism

## Languages

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English, Hindi

## Certificates

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Problem-Solving (Basic) ~ HackerRank, Problem-Solving (Intermediate) ~ HackerRank, 5 Star in C++ ~ HackerRank

## Awards

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Flipkart GRiD 5.0 Software Track(cleared round 1.1), WiDS Datathon(Global Rank 181), Algorithmic Problem Solving (APS)(DSA Event Rank 3/1000), GeeksForGeeks(230+ problems solved), LeetCode(200+ Problems solved)