

# Niharika Shah

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## Education

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### PDPM Indian Institute of Information Technology

Jabalpur, India

B.Tech in Electronics and communication Engineering

November 2022 – April 2026 (Expected)

- **Relevant Coursework:** Data Structures and Algorithms, Artificial Intelligence, Databases, MERN, Frontend, Analog communications, Digital Electronics and Microprocessing interfaces, Matlab, Pspice, Simulink, Architecture of cellular systems, Electronic devices and circuits, Network theory

### Jamnabai Narsee School

Mumbai, India

Class 10(Science): 94%, Class 12(PCM): 75%

June 2015 - May 2022

## Experience and Achievements

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### Interned as Physics mentor

Sep 2022 - Nov 2022

Masterclass-by Gaurav Save

Mumbai

- \* Provided one-on-one and group mentoring sessions in the coaching institute.
- \* Conducted doubt solving sessions for physics

### Hackbyte by The Programming Club

April 2023

IIITDMJ

- \* Mentored juniors during the hackbyte
- \* Won 3rd prize in the institute in annual development hackathon
- \* Guided 50+ juniors with their coding and other academic doubts

### Participating in GDSC: 2024 Solution Challenge

Present

Chosen problem: Good health and well being (currently working on it)

**Codeforces: NShah; 1028(newbie); 100 problems solved(currently)**

### Extra-curriculars:

State level Table tennis Gold winner, Skating state level, Cricket DSO, Badminton inter-school bronze winner

## Projects

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### Weather app | HTML, CSS, JAVASCRIPT, API Integration

December 2023

- \* This website was built as a part of a 24-hr hackathon.
- \* It is designed to provide real-time weather information based on the user's current location. It utilizes location detection features to offer weather forecasts and current conditions at the user's geographical coordinates.
- \* Search Option: Allows users to manually search for weather information in different locations. Responsive Design: Ensures a user-friendly experience across various devices and screen sizes.

### Sorting Visualizer | HTML, CSS, JAVASCRIPT

January 2024

- \* An application that helps users understand various sorting algorithms by visually demonstrating how they work on different datasets. Choose one of the algorithms: Bubble Sort, Merge Sort, and Quick Sort and Modify the speed of the visualization to observe the sorting process at different rates.
- \* Also gives a rough idea about the time complexity of each algorithm.

## Skills summary

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- **Languages:** Python, PHP, C++, JavaScript, SQL, JAVA, HTML, CSS
- **Frameworks:** Angular, Node, Express, Vue, React
- **Databases:** SQL, MongoDB
- **Soft skills:** Leadership, Event Management, Writing, Public Speaking, Time Management