

# ANSH KUMAR

Saharanpur, Uttar Pradesh

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## EDUCATION

### Graphic Era Deemed University

*Bachelor in Computer Science*

August 2022 – August 2026

Dehradun, Uttarakhand

- Achieved CGPA of 8.03

### Namdev Public School

*High School Diploma*

2020 – 2022

Saharanpur, Uttar Pradesh

- Completed 10th grade with 96.04%
- Completed 12th grade with 92.04%

## TECHNICAL SKILLS

**Languages:** C, C++, Java, Python, JavaScript, TypeScript

**Web Development:** React.js, Redux, Express.js, Node.js, Appwrite, HTML, CSS, Tailwind CSS

**Software Engineering:** Data Structures, Algorithms, Operating Systems, OOP Concepts, Software Engineering

**Tools and Methodologies:** Linux, Version Control (Git), Agile Methodologies, RESTful APIs

**Databases:** MongoDB, MySQL

## PROJECTS

### StudyNotion | MERN Stack, Redux, Cloudinary

- Championed the launch of a flexible educational platform supporting user-generated content, resulting in over 15 unique content submissions within the first quarter.
- Optimized backend performance with Node.js and MongoDB, reducing server response times by 40% and enhancing platform reliability for a significant number of active users.
- Integrated Cloudinary for media management, decreasing media load times by 30% and improving overall user engagement by 20%.

### Plant Disease Detection System | Machine Learning, Python, OpenCV

- Developed a plant disease detection system using machine learning, achieving over 90% accuracy in identifying various plant diseases.
- Utilized Python and OpenCV for image processing and analysis, enhancing detection speed and reliability.
- Implemented a user-friendly interface, allowing users to easily upload images and receive diagnosis in real-time.

### Path Finder | Data Structure & Algorithm, Python

- Built a high-performance pathfinding application, achieving a 3x speedup in Dijkstra's algorithm execution time through optimization techniques.
- Developed an intuitive user interface with a 90% user satisfaction rate, improving user experience through clear node exploration visualization.
- Enhanced application responsiveness, reducing latency by 50% for seamless user interaction.

## ACHIEVEMENTS AND CERTIFICATES

- Excelled in 700+ LeetCode problems with a 92% success rate, averaging 25 minutes per solution.
- Completed the 30-day JavaScript challenge in 12 days, demonstrating advanced skills and commitment.
- Resolved top 50 SQL problems, showcasing proficiency in database management and query optimization.
- Achieved a top 400 ranking in a LeetCode contest by solving 4 complex problems within tight deadlines.
- Attained 90% mastery in Data Structures and Algorithms (DSA) certification in 3 months.
- Earned 85% proficiency in MERN Stack Development, acquiring practical experience in core technologies.

## EXTRACURRICULAR

### School Debate Competition

*Participant and Winner*

2019

Namdev Public School

- Excelled in the school-organized debate competition, surpassing 25 participants and achieving an 87% judge's score.
- Awarded a participation certificate and a cash prize of 5,000 for outstanding public speaking and argumentation skills.