

Anshul Singh

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Summary

Computer science engineer focused on software development and machine learning. Proficient in C++ and Python, with strong problem-solving skills and competitive programming.

Education

B.TECH (CSE) | DELHI TECHNOLOGICAL UNIVERSITY

Au 2023-Present

- CGPA: 7.9*
- **Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, AIML, Computer Networks, Database Management System, Computer Structure Architecture and Organization.

12TH | DLDV MODEL SCHOOL

May 2023

- 85% CBSE

10TH | DLDV MODEL SCHOOL

Mar 2023

- 89.8% CBSE

Projects

PERSONAL PORTFOLIO | *React.js, TailwindCSS, Vite*, [GitHub](#), [Demo](#)

- Developed a fully responsive personal portfolio showcasing projects and skills.
- Implemented modular React components and styled the layout using Tailwind CSS.
- Highlights key areas like About, Projects, Skills, and Contact with smooth navigation and animations.

REAL-TIME EMOTION DETECTOR | *Python, OpenCV, Keras, NumPy*, [GitHub](#)

- Built a real-time facial emotion detection system using a webcam feed.
- Integrated OpenCV's DNN module to optimize inference speed to 22 FPS.
- Classified 7 emotions: happy, sad, angry, surprise, disgust, fear, and neutral.
- Achieved 95.2% accuracy under good lighting conditions.

AUTOMATED OMR GRADING SYSTEM | *Python, OpenCV, Contours*, [GitHub](#)

- Engineered a Python tool to evaluate OMR sheets without the need for physical scanners.
- Implemented contour detection to locate answer bubbles and match responses.
- Achieved 98.4% accuracy in answer detection and reduced grading time by 92%.

Technical Skills

- **Languages:** C++, Python, HTML, CSS, JavaScript
- **Developer Tools:** VS Code, Git, GitHub, Jupyter Notebook
- **Technologies/Frameworks:** MySQL, STL(C++), Node.js, OpenCV, Tensorflow, Keras
- **Competitive Programming Profiles:** [CodeChef](#), [Codeforces](#), [LeetCode](#)