

Harsha Agarwal

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Professional Summary

- Enthusiastic and results-driven Computer Science student with strong problem-solving skills.
- Passionate about software development, machine learning, and full-stack applications.
- Experienced in hackathons, team-based projects, and building efficient algorithms.

Experience

- **Ernst & Young (EY)** May 2025–Present
Working in the IT field at EY, enhancing my technical skills, collaborating with diverse teams, and gaining practical experience in solving technology challenges in a professional environment.

Projects

- **SkillsSync | Hackathon Winner** (April 2025): Comprehensive AI interview platform featuring posture detection, resume analysis, and quiz modules. Won 2nd prize at IIITV Hackathon among 50+ teams.
- **SignLearn | Individual Project** (march 2024): Interactive learning website for deaf/mute primary students featuring sign language tutorials using open cv and educational games with real-time feedback.
- **2048 Game Development | Group Project** (April 2025): Built a MATLAB-based 2048 game, optimizing matrix operations (15% faster). Enhanced input validation to prevent errors.
- **Health Symptoms Prediction (Machine Learning) | Individual Project** (March 2025): Achieved a good accuracy in predicting health conditions.
- **AirDraw Canvas (OpenCV) | Individual Project** (March 2025): Developed an air drawing application that tracks finger movements in 3D space using OpenCV and MediaPipe, with 90% gesture recognition accuracy.

Education

- **IIIT Vadodara | B.Tech in Computer Science** (2023 – 2027)
- **High School:** Class 10: 94%, Class 12: 83%.

Skills

- **Programming Languages:** C++, Python, JavaScript, HTML, CSS, SQL, MATLAB.
- **Frameworks & Libraries:** React.js, Next.js, Flask API, opencv(Computer Vision).
- **Technologies & Tools:** Firebase, VS Code, LaTeX.
- **Concepts:** Frontend Development, Backend Services, Algorithms, DBMS, OOP, Generative AI, Machine Learning.

Soft Skills

- Leadership experience in guiding project teams and ensuring efficient teamwork.
- Quick adaptability to new technologies, demonstrated through ML and OpenCV projects.
- Strong communication and collaboration skills developed through team projects and hackathons.

Extracurricular & Achievements

- **Google Girls Hackathon | Semifinalist** (February 2025): Among the top semifinalists, competing with 500+ participants.
- **IIITV Hackathon | 2nd Prize Winner** (April 2025): Won for SkillSync project among 30+ teams.
- **Art & Dance Club | Member:** Performed in events with 200+ attendees.
- **Google Developer Student Clubs (GDSC) | Member:** Active in Google tech community initiatives.
- **Sketching Competition | First Prize** (March 2024): Won inter-college competition.
- **Volleyball Tournament | Winning Team** (February 2025): Contributed to inter-college tournament victory.