

HIMANSHU GUPTA

Chandigarh, India · +91 62046 40471 · himanshu05@gmail.com
[LinkedIn](#) · [GitHub](#)



Education

- Bachelor of Engineering in Computer Science
Chandigarh University — Graduation: Aug 2028 | CGPA: 8.24
- Senior Secondary (XII), Science (PCM)
Delhi Public School — Percentage: 82% | Year: 2024

Technical Skills

- Languages: Java, C++, C, Python, JavaScript, HTML, MySQL
- Frameworks & Tools: Google Collab, VS Code, TensorFlow, Keras, NumPy, Pandas, Matplotlib, Git/GitHub, MySQL
- Soft skills: Communication, Teamwork, Adaptability, Critical Thinking, Creativity, Passionate Learner

Projects

- **Age Detection using Deep Learning (TensorFlow)**
Designed and implemented a deep learning solution for age prediction using facial images. Leveraged TensorFlow to build and train CNN architectures capable of extracting complex visual features, improving accuracy with data augmentation and optimization techniques.
- **Book Store Management System (Python & MySQL)**
Built an application to manage books, sales, and customer records using Python with MySQL database connectivity. Implemented CRUD operations to streamline store operations and ensure efficient data handling.
- **Line Following and Obstacle Avoiding Robot (Hardware)**
Designed and developed an autonomous robot using sensors and microcontrollers to follow a defined path and avoid obstacles in real time. Implemented motor control logic and sensor integration to achieve smooth navigation, showcasing skills in embedded systems, robotics, and hardware programming.

Research Paper

- **Collision avoidance and line following robot integrated with Sensor**
This research presents the design and implementation of a robot for autonomous navigation. The system employs sensor-based feedback to detect and avoid obstacles while simultaneously following a predefined path. The project demonstrates applications in robotics, automation, and intelligent transport systems.

Achievements

- Google Cloud Innovators Member
- College Ambassador, Techfest IIT Bombay
[View Credential](#)
- CyberPeace First Responders and Myth Busters – CyberPeace Corps (with support from Google.org), Aug 2025
[View Credential](#)
- Using Databases with Python – University of Michigan (Coursera), Aug 2025
[View Credential](#)
- Python Data Analytics – Meta (Coursera), Aug 2025
[View Credential](#)