









Mayank Mittal

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 Github

Education

B.Tech in Computer Science and Engineering GPA:8.92 Guru Gobind Singh Indraprastha University (GGSIPU) 	08/2024 – 08/2028 New Delhi, India
PCM with Computer Science Percentage: 88.5% SM Arya Public School 	04/2023 – 04/2024 New Delhi, India

Skills

Front-End Development: HTML, CSS, JS, Tailwind CSS, React, Next.js	Backend Development: Node.js, Express.js
App Development: React Native	Languages: Python, Java, C
Databases: MongoDB, MySQL	DevOps & Tools: Docker, Git, GitHub, Postman, Linux

Projects

Fit-Game (Health & Fitness Gamification) :

Personal Project | Python, OpenCV, MediaPipe, Flask, React

- Built a real-time fitness game using pose detection via webcam with OpenCV and MediaPipe.
- Enabled gesture and voice control to guide an avatar through fitness tasks.
- Developed a Flask-based web app with a responsive UI for gameplay and user tracking.
- Integrated reward system to boost user motivation and engagement.

JARVIS – Gesture-Controlled AI System

Python, OpenCV, MediaPipe, Flask, SpeechRecognition, pyttsx3

- Developed an AI assistant with gesture control to manage system functions like mouse, volume, and brightness.
- Used OpenCV and MediaPipe for real-time hand gesture recognition via webcam.
- Integrated voice commands using SpeechRecognition and text-to-speech via pyttsx3.
- Enabled web navigation, media playback, screenshots, and screen recording through gestures and voice.
- Designed a Flask-based UI for enabling/disabling gesture control and displaying system status.

Certificates

Certified in Software Engineering (Microsoft & LinkedIn)

Covered software development lifecycle (SDLC), developer challenges, team leadership, collaboration, and problem-solving. Gained hands-on experience with GitHub, Visual Studio Code, debugging, and best coding practices.

Android App Development Certification (SimpleLearning)

Studied Android app development, Android Studio, UI design, app architecture, and key tools for building, testing, and deploying Android applications.

Machine Learning using Python Certification(Infosys)

Learned machine learning concepts, data preprocessing, model building, and evaluation using Python libraries like **NumPy**, **Pandas**, **Scikit-learn**, and **Matplotlib**.

Achievements & Leadership

- Finalist, Inter-College Hackathon 2024 – Built gesture-controlled desktop automation tool
- Team Lead for multiple projects, managing development, version control, and deployment.
- Proficient in 15+ tech skills; built systems like low-cost MRI, 3D space sim, and smart interfaces.
- Delivered 10+ innovative projects for 10+ clients across AI, app development, and web development.