

# MONICA DOLA

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## OBJECTIVE

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Skilled in front-end development with basic knowledge of Data Structures and Algorithms and a strong interest in AI/ML for Geo Data Analysis. Seeking an opportunity to improve my skills and gain industry experience.

## EDUCATION

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### Bachelor of Technology (B.Tech), Electronics and Communication Engineering

Specialization: Artificial Intelligence and Machine Learning  
Gitam Deemed University

Expected 2027  
CGPA: 8.97(89%)

## SKILLS

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### Programming Languages

C, Python, Java (basic)

### Frameworks and Technologies

HTML, CSS, JavaScript, Bootstrap,

### Tools and Platforms

Git, GitHub, Fusion 360, MATLAB, MultiSim Live, EasyEDA (PCB Design), Arduino

Uno, Cisco Packet Tracer

### Databases

SQL

### Others

AI, ML (Geo Data Analysis, Remote Sensing, GIS, Global Navigation Satellite System, Digital Image Analysis)

### Soft Skills

Communication, Time Management, Teamwork

## PROJECTS

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**Spotify Clone Website-** Developed a responsive music streaming website using HTML, CSS, JavaScript, and Bootstrap. The application includes features such as user authentication, playlist management, and media playback functionality. Designed an interactive and user-friendly interface to ensure smooth navigation and an engaging user experience.

**Real-Time Hand Gesture Recognition System-** Developed a real-time hand gesture recognition system using Python and OpenCV. Implemented image preprocessing and contour detection techniques to classify hand gestures with 85% accuracy. Integrated live camera input for interactive gesture-based control.

**Real-Time Hand Gesture Recognition System —** Developed a real-time hand gesture recognition system using Python, OpenCV, and MediaPipe. Implemented hand landmark detection and similarity-based gesture classification using a reference gesture database. Processed live webcam input and provided visual feedback for interactive gesture control.

**Smart Waste Segregation System-** Designed and implemented a smart waste segregation system using Arduino Uno. Enabled automatic segregation of wet and dry waste, solving real-world waste management challenges.

## ACHIEVEMENTS AND CERTIFICATIONS

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Course Completion Certificate: AIML for Geodata Analysis (ISRO)

Participation Certificate: 3D Printing (Alliance University) HackerRank

### Certifications

- Successfully cleared the Assessment for Software Engineer Intern in Hackerrank
- Python (Basic)
- CSS