

# 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