

# Nethra Harini M

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## SKILLS

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**Languages:** Python, Java, SQL, JavaScript, MongoDB

**Technologies:** Flask, React, Docker, TensorFlow, SKlearn

**Tools:** Git, GitHub, Docker, Excel, PowerBI

## PROJECTS

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**EchoVerse** | *Node.js, React, Express, Socket.io* Feb. 2025

- Developed a Discord-like web application for gaming communities, supporting multiple chat rooms for server interactions.
- Implemented real-time communication using Socket.io for smooth and interactive user experience.
- Built the backend with Node.js and Express, and the frontend with React.

**WasteLinkIt** | *Machine Learning (LSTM), TensorFlow, Bootstrap, HTML, CSS, JavaScript* Mar. 2025

- Developed a web platform for waste management where producers, buyers, and admins can interact with the marketplace.
- Trained and implemented LSTM models to predict the demand and pre-book waste types (PET, HDPE, LDPE, PVC, PP, PS) based on past data.
- Proposed a pre-booking system, allowing users to predict and secure waste types in advance, enhancing waste management efficiency.

**Project Shield** | *Machine Learning, Computer Vision, Python, OpenCV, TensorFlow* Apr. 2025

- Developed a machine learning-based project to detect anomalies such as harassment inside videos using computer vision techniques.
- Implemented an automatic alert system that captures an image from the video and sends it as an email notification to authorities.
- Used OpenCV and TensorFlow to build and train the model for accurate video analysis and event detection.

## PARTICIPATIONS & ACTIVITIES

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**Ideathon** Oct. 2024

*Participant, ECEG (Easy Come, Easy Go) Bus Availability Services*

- Proposed a solution aimed at improving public transport accessibility by providing real-time tracking and accurate bus arrival times at each stop.

**Cryptera 2025** Feb. 2025

*Participant*

- Engaged in solving complex problems, exploring new concepts, and sharpening technical skills during the two-day event.

## CERTIFICATIONS

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Python Basic [HackerRank](#)

SQL Basic [HackerRank](#)

Cloud Computing [NPTEL](#)

Data Visualization (Tableau, PowerBI) [Tata Visualization](#)

Oracle Database Associate [Oracle](#)

## EDUCATION

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**Master of Computer Applications** Apr. 2025  
*Coimbatore Institute of Technology, Coimbatore* CGPA: 8.05

**Bachelor of Computer Applications** Aug. 2021–May 2024  
*P.S.G College of Arts and Science, Coimbatore* CGPA: 7.9/10