

# Mithresh M

📞 9788921975 📩 mithreshmandhrasalam59@gmail.com 💬 linkedin.com/in/mithresh-m-11308b357

👤 github.com/MithreshMandhrasalam

## Education

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### Amrita Vishwa Vidyapeetham

Bachelor of Technology in Computer Science and Engineering (CGPA: 6.53)

Aug 2023 – Present

Coimbatore, Tamil Nadu

### Anugragha International School

Higher Secondary Education

June 2012 – March 2023

Udumalpet, Tamil Nadu

## Experience

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### LaunchED Global

Full Stack Development Intern

May 2025 – July 2025

Remote

- Completed a 3-month internship combining structured training and real project work in full-stack development.
- Built responsive web pages using HTML, CSS, JavaScript, and explored React for interactive components.
- Developed backend logic with Node.js and Express and integrated it with frontend applications.
- Learned real-world application structure, input validation, and clean coding practices.
- Built full-stack modules using Next.js, Tailwind CSS, and secure REST APIs with MongoDB.

## Projects

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### Object Avoidance and Line Follower Robot | Arduino, C, IR Sensors, Embedded Systems May 2024

- Designed an autonomous robot capable of following a black line and avoiding obstacles in real time.
- Implemented navigation logic in C on Arduino using IR sensor inputs.
- Integrated dual IR sensors for line tracking and front sensors for obstacle detection.
- Achieved reliable hardware-software coordination and adaptive path control.

### Frozen Food Traceability using Blockchain | Solidity, Ethereum, React.js

Oct 2025

- Developed a Solidity smart contract to track frozen food products on Ethereum.
- Implemented functions to update and retrieve food item status.
- Deployed and tested the contract using Hardhat on the Sepolia test network.
- Built a React.js frontend and integrated blockchain interaction using MetaMask.

## Technical Skills

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- Programming Languages:** C, C++, Java, Python
- Databases:** MySQL
- AI / ML Concepts:** Machine Learning
- Computer Science Fundamentals:** Data Structures and Algorithms, Embedded Systems