

# MADHANALEKHA L

Aspiring Computer Science Engineer

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## CONTACT

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## SKILLS

- **Programming Languages:** C, Java, Python, JavaScript
- **Web Development:** HTML, CSS, JavaScript, PHP
- **Database Technologies:** MySQL, MongoDB
- **Frameworks & Tools:** JUnit5, Express.js, Node.js, Angular.js, Git, GitHub, VS code
- **Concepts:** Data Structures and Algorithms, software Testing, OOP, SDLC
- **Microsoft Office**

## SOFT SKILLS

- Problem Solving
- Team Collaboration
- Communication Skills

## LANGUAGES

- Tamil
- English

## INTERESTS

- Crafting and Cooking
- Exploring new technologies
- Nature appreciation

## OBJECTIVE

Highly motivated Computer Science Engineering student with expertise in full-stack development, software development, data structures and algorithms, seeking opportunities to contribute to innovative real-world projects. Proficient in Java, Python, JavaScript, and SQL database management, with strong skills in problem-solving and collaborative teamwork. Eager to apply technical expertise and passion for creating impactful solutions in a dynamic, growth-oriented environment.

## EDUCATION

### Government College of Technology, Coimbatore

B.E. Computer Science and Engineering

2023–2027

CGPA: 8.78 (up to current semester)

### Mangalam Higher Secondary School, Anthiyur

HSC

2023

Percentage: 94.6%

### Mangalam Higher Secondary School, Anthiyur

SSLC

2021

## PROJECTS

### Medical Appointment Booking System

Technologies: MEAN Stack (MongoDB, Express.js, Angular, Node.js)

- Developed a web-based platform for patients to schedule consultations and for doctors to manage appointments efficiently.
- Implemented patient registration, doctor scheduling, appointment booking, and appointment management features.
- Integrated real-time notifications for confirmed, rescheduled, and canceled appointments.
- Ensured secure authentication using JWT and managed data with MongoDB.
- Designed a responsive frontend using Angular and built a robust backend with Node.js and Express.js.

### Weather Web Application

Technologies: HTML, CSS, JavaScript, OpenWeatherMap API

- Built a responsive weather app displaying real-time weather data using the OpenWeatherMap API.
- Designed an interactive UI with dynamic updates and robust error handling.

### Farm Management System

Technologies: PHP, MySQL, HTML, CSS

- Developed a web application to streamline farm operations, including crop management, livestock tracking, inventory control, and sales.
- Utilized PHP for backend logic, MySQL for efficient data management, and HTML/CSS for a responsive user interface.
- Implemented real-time updates for better operational monitoring.