

# Skandhan Madhusudhana

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## Education

**Northeastern University**, MS in Computer Science, *GPA 4.0*

**Boston, MA**

- **Coursework:** Program Design Paradigm, Database Management

**Vidyavardhaka College of Engineering**, BE in Computer Science

**Mysore, India**

- **Coursework:** Data Structures and Algorithms, Web Development, Object Oriented Programming, Database Management Systems.

## Technical Skills

- **Programming Languages:** C, C++, Java, Python.
- **Web Development:** HTML5, CSS3, SASS, JavaScript, Typescript, React, Angular, VueJS, Spring Boot, JUnit.
- **Databases & DevOps:** MySQL, Postgres, Docker, Jenkins, AWS Cloud.
- **Testing & Automation:** Selenium.

## Experience

**Associate Software Engineer**, LNW India Solutions Pvt. Ltd. – Bengaluru, India

Sep 2023 – Dec 2024

- Transitioned from a backend development role to a full stack development role within seven months, expanding responsibilities across both frontend and backend development.
- Designed and maintained enterprise-grade applications using Angular, React, Java, Spring Boot, and Java Servlets.
- Optimized code quality by resolving over 200 SonarQube vulnerabilities and significantly improving test coverage, increasing it from 30% to 80% across multiple microservices.
- Collaborated with the product and QA teams in Three Amigos sessions to refine requirements and assist in writing test case scripts.

**Java Full Stack Developer Intern**, LNW India Solutions Pvt. Ltd. – Bengaluru, India

Feb 2023 – Jul 2023

- Developed and maintained web applications using Angular, Java, Spring Boot, and related technologies, focusing on scalability and modular design.
- Gained hands-on experience in full-stack development by building and implementing a complete web application.

**Frontend Development Intern**, CoachEd – Bengaluru, India

Sep 2022 – Oct 2022

- Developed the 'Restaurant Reservation System' for a restaurant.
- Built and optimized the website using HTML, CSS, ReactJS, and JavaScript.

## Publications

**Cotton Plant Disease Detection Using Deep Learning**

2023

Published in \*International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering Technology (ICSISCET 2023)\*.

**Spatiotemporal Information System - Perspicacity Ambulance**

2023

Published in \*International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)\*.

## Projects

**Employee Payroll Management System**

- Automated payroll and attendance management with read-only access for employees.
- Used SQL queries for insert, delete, update, and authentication features.
- Built using HTML, CSS, JavaScript, and XAMPP with MySQL.

**Spatiotemporal Information System - Perspicacity Ambulance**

- Developed a system for real-time communication between ambulances and hospitals.
- Aids emergency decision-making, reducing response time and ED burden.
- Built using React, HTML, CSS, and Java.