

# SOHAN MAHADEV

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## EDUCATION

Illinois Institute of Technology, Chicago, IL

MAY 2025

**Masters in Information Technology and Management**

Visvesvaraya Technological University (RRCE), Bengaluru, IND

JUL 2022

**Bachelor of Engineering, Computer Science, VTU, GPA 3.5**

## SKILLS

- **LANGUAGES:** Java | C++ | C | JavaScript | Python | Shell | Assembly Level Programming (ALP) | HTML | CSS | C# | Kotlin .
- **SOFTWARE :** JavaFX | Eclipse | Android Studio | MATLAB | LINUX | Postman | VS Code | PyCharm | Tableau | IntelliJ .
- **TOOLS:** Docker | MQTT | Git & GitHub | Jenkins | Unix | REST | React | NodeJs | Angular | Flask | Django | Spring Boot .
- **AI :** Data Preparation | Supervised Learning, Unsupervised Learning | Data Visualization.

## WORK EXPERIENCE

### ENGINEER PHASE - 1

Entrix Digital transformation Re-imagined , Indigenously , Mysore, IND

FEB 2023 - JUL 2023

- Gained hands-on experience with tools and technologies including Postman, RESTful APIs, Docker, and MQTT.
- Part of the backend team, consistently coding in JavaScript and Node.js for various operations. Developed backend server applications with Node.js, integrating with front-end applications developed in React, and managed data storage using Mongoose for MongoDB.

### ENGINEER INTERN - Programmer Analyst

Microsoft Azure DevOps Intern, Cognizant Technological Solutions, Bengaluru, IND

MAY 2022 - NOV 2022

- Trained in the Azure DevOps domain and learned about cloud computing that includes servers, storage, database, networking, analytics and intelligence- over the internet.
- Gained information on Cloud computing and implemented it on AWS.

### ENGINEER INTERN

AIML Intern, Quant Masters Technologies Pvt. Ltd., Bengaluru, IND

APR 2022 - OCT 2022

- Trained on supervised and unsupervised machine learning algorithms like CNN and KNN in the Python programming language
- Worked on a project that classifies the music genre and divides it into a subset of 6 genres (country, reggae, metal, pop, rock, hip-hop) using an SVM Classifier with a polynomial kernel. The classifier yielded a success rate of 82%.

### ENGINEER INTERN

Full Stack Intern, Thaniya Technologies, Mangalore, IND

AUG 2022 - NOV 2022

- Developed frontend and backend solutions, designing a website to collect and store local milk produce data using MySQL and PHP, run through a local server. Additionally, worked on an 'Online Bus Booking' system, building the backend with PHP, implementing an admin-only login page with a security pin, and managing the database in MySQL.

## PROJECT EXPERIENCE

### Real Estate Management System

JAN 2024 - APR 2024

- Developed a comprehensive real estate management application using Java, Jakarta Persistence API (JPA), and MySQL to facilitate the management of properties, agents, and customer interactions.
- Implemented core functionalities including property listings, agent assignments, and customer relationship management.
- Additionally, I ensured robust data handling with advanced JPA features, validated system functionality with JUnit tests, and secured access through JEE security framework integration.

### Recipe Application

AUG 2023 - DEC 2023

- Developed an interactive JavaFX application for food recipe management with separate user and admin functionalities. The application features a sleek interface for signup, user login, and admin login, allowing users to view recipes post-login, while enabling admins to add or delete recipes, with all data securely stored in a MySQL database.

### Real Time Data Management

FEB 2023 – JUN 2023

- Developed a React and Node.js application to retrieve and display hardware device information, featuring real-time battery status monitoring and device state indication. Implemented Node.js and JavaScript code to receive battery status updates, record data in a database, indicate device sleep/awake states, and control LED indicators based on signals received from the device gateway.

### Hybrid Application for connecting farmers

APR 2021 - JAN 2022

- Farmer Connect is a web and mobile-based application integrated with machine learning that gives a platform to farmers to put up their products online, and directly sell them to the customers.
- It can be deployed and implemented at a larger scale and can help to solve various issues like food wastage, stabilize commodity prices and keep a tab on additional charges levied by the middlemen. Developed website and algorithm that detects the grade of the crop by its image using KNN algorithm.

## HONORS AND ACHIEVEMENTS

- Certified in Microsoft Azure DevOps, Cognizant Technological Solutions (CTS) NOV 2022
- Ranked 1st in KA for Smart India Hackathon SIH conducted by All India Council for Technical Education (AICTE). MAY 2022
- Won prize for Instant coding in Smart India Hackathon SIH conducted by Ministry of Education (AICTE). APR 2019