

# MAHESH R

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## PROFESSIONAL SUMMARY

Aspiring Software Engineer with internship experience in AI-driven applications and full-stack development. Led a team in creating a real estate chatbot using an LLM. Eager to leverage technical skills and project leadership to contribute to innovative software solutions.

## EDUCATION

### Bachelor of Engineering (B.E.) - computer science and engineering

Global Academy of Technology (GAT), Bangalore  
CGPA: 9.04

Dec 2021 - May 2025

## EXPERIENCE

### Artificial Intelligence intern

Feb 2024 - May 2024

Nuevera Infotech pvt ltd, Bangalore

- Led a team of 5 interns in the development of a real estate chatbot, leveraging LLM Llama2 for natural language processing capabilities.
- Conducted web scraping to gather relevant data, ensuring the chatbot was equipped with up-to-date and accurate information for real estate users.
- Collaborated on the design and implementation of the UI/UX, improving the Chatbot's user experience and functionality, leading to increased user engagement.

### Full stack development intern

Jan 2025 - Mar 2025

Go flamingo, Bangalore

- Developed a responsive and user-friendly menu card for a business using HTML, CSS, JavaScript, and Bootstrap, enhancing the overall customer experience.
- Designed a wireframe model for an upcoming project, collaborating with the design team to ensure alignment with project goals and user needs resulting in a streamlined development process.
- Utilized SQL to write complex queries for efficient data retrieval, manipulation, and management within the company's database, leading to improved data accuracy and faster report generation.

## TECHNICAL SKILLS

**Languages:** C, Python, Java, JavaScript, HTML, CSS, SQL, MongoDB

**Frameworks:** React, Node.js, Express.js, Flask, FastAPI, Tailwind

**Developer Tools:** AWS, Git, Postman, Ollama, LLM

## PROJECTS

### AI bot for customer service and effective sales management

- Developed an AI-powered chatbot for effective sales management and customer service, simulating the role of a sales representative for a fashion brand.
- Designed the frontend of the application using HTML, CSS and JS ensuring a seamless user experience and implemented Firebase for the backend providing real-time data synchronization and advanced analytics for tracking user interactions.
- Integrated a self-hosted Llama2 large language model (LLM) via Ollama, enabling the chatbot to handle complex customer queries and simulate real-time sales conversations.

- Developed an admin panel for monitoring user interactions, managing chat history, and overseeing bot performance and updates.

### **Caffiend - A Coffee tracking app with ReactJS and Firebase**

- Developed a comprehensive coffee tracking application using ReactJS and TailwindCSS for a modern, responsive user interface and state management
- Enabled users to sign up and track their coffee consumption, including measuring blood caffeine levels, tracking costs, and quantifying their addiction over time.
- Incorporated features for users to view detailed stats and consumption history once logged in, allowing for data-driven insights into their coffee habits.
- Utilized Firebase for backend services, including user authentication, real-time data storage, and synchronization across devices.

### **CERTIFICATIONS**

CS50

*Harvard*

AWS Cloud Technical essentials

*Amazon Web Services*

The Complete 2024 Web Development Bootcamp

*Udemy*

### **ACHIEVEMENTS**

#### **Hack-A-League 2.0:**

Developed an AI-driven chatbot, in collaboration with my team, that simulates the role of a sales representative for a fashion brand using the LLM Llama2 model, which helped me land an AI internship.

#### **IBM Z Datathon 2024:**

Designed and built 'Equihealth', an application that leverages AI/ML to identify and address hidden disparities in healthcare access across India.