

Adhnan Jeff M S

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Education

Sri Ramakrishna Engineering College: 2022-2026

B.Tech Information Technology

Coimbatore, Tamilnadu

CGPA - 8.5

Technical Skills

Languages: Java, C#, Python, SQL

Web & API Development: RESTful APIs, Spring Boot, .NET, Angular, React

Databases: MySQL, PostgreSQL, Firebase

AI & Agentic Frameworks: LangChain, OpenAI GPT APIs, Strands

Core CS Concepts: Data Structures & Algorithms, Object-Oriented Programming

Developer Tools & Methodologies: Git, GitHub, Agile (Scrum), VS Code, Eclipse, Android Studio, PyCharm, Postman

Internship

eProductivity Software

July 2024 - Current

Software Engineer Intern

Bangalore, Karnataka

- Contributed to enterprise solutions using **C# .NET Core** and **Angular**, building and optimizing modules for scalable, production-grade applications.

BlinkingSoft

June 2024 - July 2024

UI/UX - Frontend Developer Intern

Coimbatore, Tamilnadu

- Developed** a comprehensive job portal using the **MERN stack**, with **role-specific functionalities** for job seekers and employers, and designed a **responsive UI** using React.js and Tailwind CSS for a seamless cross-device experience.

Projects

Invoice Assistant (Agentic AI Chatbot) | *Python, LangChain, PostgreSQL, OpenAI API*

- Developed an **Agentic AI chatbot** that automates employee **timesheet and invoice management** by tracking user work hours, updating salary invoices, and storing user data securely in **PostgreSQL**. Integrated intelligent **tool-based actions** for data retrieval, computation, and automated **email dispatch to the finance team** for approval.

Smart Traffic Management System | *Flask, React, Twilio, Geocoder*

Journal

- Developed a **real-time traffic management system** using YOLOv8 and SORT for vehicle detection and counting, implemented **dynamic signal control** with priority for emergency vehicles, and integrated **accident detection with SOS alerts** for rapid response.

Brand Detection and Analysis | *React, PyTorch, FastAPI*

Patent

- Trained a **YOLOv8 model** on a custom dataset for accurate brand detection, integrated **real-time camera systems** to analyze customer-product interactions, and **optimized inventory management** by identifying sales trends and popular products.

Meeting Room Booking System | *C#, .Net, Angular, MySQL*

- Developed a full-stack **Meeting Room Booking System** using *.Net, Angular, MySQL*, enabling employees to view availability, book rooms, and manage schedules with real-time conflict resolution.

Accident Prone Zone Detection and Alert | *Java, Android Studio, Google Maps API*

Journal

- Developed an Android app to detect **accident-prone zones** using GPS coordinates, with **proximity alerts** within 250 meters and integrated **nearest hospital suggestions** for emergencies via real-time tracking.

Achievements Courses / Certifications

- Agentic AI Frameworks Deep Dive** - Completed **Agentic AI** course offered by **AWS**.
- Ideathon Winners** - Achieved **first place** in **Ideathon 6.0** held at **Sri Ramakrishna Engineering College**.
- Tamil Nadu State Winner** - **First place** in Badminton Sub-Junior tournament held at **Dharmapuri**.
- LeetCode Achievements** - Successfully solved over **290** problems on the **LeetCode**.

Position of Responsibilities

Interact Club

2025 – Present

Secretary

- Facilitated club operations and initiatives, fostering active **student engagement and leadership** in the club.

Grievances Cell

2024 – Present

Representative - Department Of Information Technology

- Act as the **liaison** between students and faculty to address and resolve **grievances effectively**.