JOSHUA ARNOLD LEO

+91 6369211344 | Email | LinkedIn | Github | Portfolio

SUMMARY

Computer Science Engineering graduate with a strong interest in Full Stack Development and AI/ML, focused on applying theoretical knowledge to build practical, real-world solutions. A fast learner with strong problem-solving skills, adaptable to emerging technologies, and driven by continuous learning, innovation, and technical excellence.

INTERN EXPERIENCE

Intern in ML, Suguna Groups   May 2025 - July 2025

- **ML-Based Chick Disease Prediction** - Built an ML-based computer vision system using **YOLOv5** and **OpenCV** to classify broiler chicks as healthy or sick and generate real-time counts for disease monitoring and farm management.
- **Contact:** Manibharathi [+91 99440 33729]

PROJECTS

Urban Smart Parking & Traffic Management System | Hackathon Finalist

- Built a full-stack smart parking platform using React.js, Spring Boot, and MySQL with real-time parking availability.
- Integrated OpenStreetMap, Leaflet.js, and OSRM API for geospatial search, route optimization, and nearest-parking recommendations.
- Implemented **dynamic pricing** and **real-time** updates using **Spring Boot (Java)** and **WebSockets (STOMP)** based on demand and occupancy.

Smart Turf Booking System

- Developed a **Full-stack** sports turf booking application with **real-time** slot availability using **React** and **Spring Boot**.
- Built a secure backend with **JWT**-based authentication and **RESTful API**s for users, turfs, and bookings.
- Integrated **MySQL with Spring Data JPA** for efficient and scalable data persistence.

SKILLS

React | C++ | Java | Spring Boot | Selenium(Testing) | Git | AI Tools (N8N,Zappier) | ML | Python NLP | Data Analytics | Leadership | Quick Learner

ADDITIONAL INFORMATION

- **Certifications:** Oracle Cloud Infrastructure, Data Mining (NPTEL), Operating System(NPTEL), AWS Cloud Practitioner Essentials.
- **Awards/Activities:** Received the "Student Excellence" Award for securing 2nd Rank in the Department, SIH 2024&2025 Semi-Finalist, Iamneo HackSpirit Season2 Finalist, Volunteer to a Socieity Welfare NGO "Erode Siragugal".