

Aravindh Prabu

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| [GitHub](#) | [Leetcode](#) | [LinkedIn](#) | [SkillRack](#) |

Executive Summary

Aspiring Software Engineer with strong backend experience in designing, building, and deploying production-grade web applications. Experienced in scalable APIs, real-time systems, authentication, and cloud deployment.

Technical Skills

Programming Languages: Java, C, SQL

Front-end: HTML, CSS, TailwindCSS, JavaScript, React.js, Redux toolkit

Back-end: Node.js, Express.js, REST API, Mongoose, Socket.IO

Databases: MongoDB, PostgreSQL

Tools and Platforms: Git, GitHub, Jira, Postman, Docker, NGINX, AWS (Lambda, EC2, S3)

Experience

Full Stack Web Developer | Project-based Engagement@ Maars Solutions

Jun 2025 – Aug 2025

Part-Time

On-site

- Worked in both **front-end** and **backend** utilizing React.js, Node.js and MongoDB for a Hospital Management website.
- Owned the appointment booking module and developed a basic **CRM** module for hospital operations.
- Built a real-time messenger module using **Socket.IO** with file sharing via **Cloudinary**.
- Developed a booking assistant **bot** that improved booking efficiency by **50%**.

Software Developer | Intern @ RBG.ai

Dec 2024 – Jan 2025

Winter Internship

On-site

- Developed an internal **ERP** system using React, FastAPI, and MongoDB for the organization.
- Implemented attendance, task, and payroll management modules.
- Improved security by implementing **JWT**-based authentication, **RBAC** for APIs and **protected routes** Front-end.

Front-end Developer | Freelancing

Aug 2024 – Oct 2024

Part-Time

Remote

- Collaborated with a freelancer to work on holidayjoy.com website, managed tasks via **Jira** and contributed on **GitHub**.
- Implemented responsive front-end interfaces using React and TailwindCSS based on **Figma wireframes**.

Projects

PSYCHIATRIST CONSULTATION PORTAL | [Live](#) | [GitHub](#) |

- ➔ Designed a MERN stack platform to facilitate online psychiatrist consultations and implemented **JWT** Authentication.
- ➔ Improved booking reliability by **90%** by preventing **multiple bookings** and **race conditions** using **MongoDB transaction**.
- ➔ Integrated an **AI**-powered **chatbot** by fine-tuning **Mistral-7B (Unsloth)** to handle patient general queries.

EVENT BOOKING PLATFORM | [Live](#) | [GitHub](#) |

- ➔ Built a modular backend using **microservices architecture** (Auth, Booking, Event) services with custom **API Gateway**.
- ➔ Deployed **Dockerized** services on **AWS EC2** with **NGINX reverse proxy** and full **HTTPS configuration**.
- ➔ Implemented automated **CI/CD** using **GitHub Actions** for seamless production deployments.

DECENTRALIZED ENERGY TRADING PLATFORM | [GitHub](#) |

- ➔ Developed a **decentralized energy market** for trading renewable energy, enabling cost-efficient transactions for users.
- ➔ Enabled peer-to-peer power trading through a real-time bidding system.
- ➔ Integrated **Socket.IO** for live bid communication.

Education

Sri Ramakrishna Engineering College Bachelor of Engineering, Computer Science & Engineering	September 2023 – March 2027 (CGPA:7.45)
GKD Matriculation Higher Secondary School HSLC	March 2023 (Score:71%)
GKD Matriculation Higher Secondary School SSLC	March 2021 (Score:100%)

Hackathons

RAC-A-THON’2025 1st place	Developed a Food redistribution App
L&T HackAppsters’2025 1st place	Developed a Skill Sharing Website
TechXelerate’2025 2nd place	Developed a Blockchain-based voting system for universities
SRCAS Hackathon’2024 Finalist	Developed a marketplace for Renewable energy

Awards / Competitions

2024	Best Paper Award , ICMRSH 2024	Digital Identity Verification System
2023	Top Performer , Tech Sprint Ideathon Phase-1	AI Powered Firewall Protection Suite
2023	2nd place , Design Thinking Challenge 6.0	Portal India (website for govt to implement schemes)
2023	2nd place , Cynosure 2K23 (Curio Prompt)	Prompt engineering contest
2023	2nd place , Cynosure 2K23 (Web Design)	E-commerce website

Certifications

1.	The Complete 2024 Web Development Bootcamp UDEMY
2.	Software Development Lifecycle GREAT LEARNING
3.	AWS Academy Graduate AWS ACADEMY
4.	MongoDB Node.js Developer Path

Responsibilities Taken

1.	Technical executive of FOSS club of SREC
2.	Executive member of AI club of SREC

Problem Solving

1.	Solved 200+ problems in skillrack.
2.	Solved 100+ LeetCode problems focused on Data Structures and Algorithms.