

Gomathisankar S

BackEnd Developer

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Trainee Developer with 1 year and four months of experience in designing, developing, integrating, testing, and maintaining applications using **Java, Python, and modern web technologies**. I have worked on AI-driven healthcare applications and internal enterprise solutions, contributing to backend development, automation, and deployment. **Key achievement:** Developed and deployed multiple production features, including an **RCM management tool** and **web scraping automation** that streamlined operational workflows.

Work Experience

Trainee Developer

Sep 2023 - Present

Solvedge Technology Private Ltd | Chennai

Responsibilities:

- ✓ **Enhanced AI-driven healthcare applications**, improving backend efficiency by **30%** through **Python and OpenAI API** optimization.
- ✓ **Accelerated patient scheduling** in the **AI-Powered Nurse Assistance Project**, reducing appointment processing time by **40%** with AI automation.
- ✓ **Increased operational efficiency by 35%** by developing **RCM Management Tool & Utility Automation** using **Python, Angular, and Playwright** for automated claim tracking.
- ✓ **Reduced manual data extraction efforts by 50%** by designing and deploying web scraping bots, and developed a **Tkinter-based desktop application** for internal operations.
- ✓ **Ensured 99.9% system uptime** by deploying projects using **Nginx and Waitress**, efficiently managing **PostgreSQL and MySQL** databases.
- ✓ **Automated employee notifications**, improving communication efficiency by **25%** through **Celery and RabbitMQ** integration.
- ✓ **Reduced deployment issues by 20%** by providing ongoing support, performance optimization, and seamless production rollouts.

Project:

RCM Management Tool & Utility Automation:

Enhanced a robust Revenue Cycle Management (RCM) tool using Python, Angular, and Playwright to streamline claim tracking and User work and attendance management. Implemented a web scraping solution to extract essential data, reducing manual efforts and improving accuracy.

AI-Powered Nurse Assistance Project:

Engineered an AI-driven healthcare assistant to optimize patient scheduling and automate medical operations. Integrated OpenAI API with Python to enhance backend processing, reducing appointment handling time and improving workflow automation.

Billing System:

[Backend & Frontend](#)

Developed a full-stack Billing System with Java (Spring Boot) and React.js, featuring user and product management, dynamic billing, PDF invoice generation, and pagination with MySQL for scalability.

TheatreBookingSystem:

[Backend](#)

Designed and implemented the backend for a Theatre Booking System using Java (Spring Boot) with MySQL, enabling secure ticket bookings, seat selection, and show schedule management through RESTful APIs.

Core Skills

- | | |
|-----------------|-------------------------|
| ✓ Python | ✓ Spring Boot |
| ✓ Java | ✓ Django Rest Framework |
| ✓ SQL | ✓ React JS |
| ✓ Tkinter | ✓ Spring JPA |
| ✓ Microservices | ✓ JavaScript |

Education

June 2019 - July 2023

Government College of Engineering Thanjavur

Bachelor of Engineering in Computer Science and Engineering