

KARTHIKEYAN S

Salem, Tamil Nadu, India

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TECHNICAL SKILLS

Programming Languages : Java, SQL

Frameworks & Libraries : Spring, Spring Boot, REST APIs

Databases : MySQL, MongoDB

Tools & Platforms : Git, GitHub, Docker, Postman, Power Automate, Power Apps

Core Concepts : OOP, Data Structures & Algorithms, RPA, Workflow Automation, System Integration

EXPERIENCE

Intern - KaarTech, Chennai, India

March 2025 - Present

- Developed a Unified Inbox Application implementing a centralized workflow management system that consolidates multi-source requests into a single interface with real-time synchronization and role-based action handling (approve/reject/review), using Power Apps as the delivery layer.
- Engineered an RPA-driven data migration workflow using Power Automate and SAP integration, automating the mass update of 600+ BP roles from Excel to the SAP production system. Designed logic-driven pipelines for transaction execution, exception handling, and validation, reducing processing time from days to hours and eliminating data inconsistencies.
- Applied software engineering principles such as modular workflow design, data-driven automation, and API-like integration patterns, enhancing operational efficiency, scalability, and traceability within enterprise systems.

PROJECTS

Email Reply Generator

[\(GitHub\)](#)

Technologies/Tools : Java, Spring Boot, Gemini API

- Developed a backend system for a browser extension to automate email reply generation, leveraging the Gemini API with dynamic, tone-customizable prompt creation.
- Designed a RESTful controller and service layer to process requests, manage Gemini API integration, and deliver formatted responses efficiently.
- Enhanced email workflows with context-aware automation and cross-origin support, ensuring seamless extension compatibility with frontend interfaces.

Real-Time Chat Application

[\(GitHub\)](#)

Technologies/Tools : Java, Spring Boot

- Developed the backend for a real-time chat application using Spring Boot, enabling efficient bidirectional communication via WebSockets.
- Configured WebSocket endpoints and implemented message handling to ensure smooth, real-time interactions.
- Implemented session management and message persistence to maintain reliable communication across user sessions.

To-Do List

[\(GitHub\)](#)

Technologies/Tools : Java, Spring Boot, MySQL

- Implemented CRUD operations to manage task creation, updates, and deletion with persistent storage.
- Implemented user authentication and session management for secure, personalized task access.
- Structured the system with MVC architecture and dependency injection for modularity and maintainability.

EDUCATION

B.E. Computer Science and Engineering

CGPA: 8.25

Knowledge Institute of Technology, Salem

2025

Class XII

83.2%

Sri Vidya Mandir Senior Secondary School

2021

Class X

83.2%

Sri Vidya Mandir Senior Secondary School

2019

CERTIFICATES

- Java and Spring Framework with Spring Boot - [Udemy](#)
- Git for Beginners - [Udemy](#)
- Docker for Java Developers - [Udemy](#)
- Java Programming - Oracle Academy