

Java Developer (Fresher)
Chennai, India

Harikrishnan G
— Aspiring Backend Developer —
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GitHub | Portfolio | LinkedIn

Spring Boot Practitioner
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Education

New Prince Shri Bhavani College of Engineering and Technology, Chennai

Aug 2021 – May 2025

B.E. in Electronics and Communication Engineering)

CGPA: 8.00

Govt. Higher Secondary School, Chennai

May 2021

12th

Percentage: 90.5

Govt. Higher Secondary School, Chennai

Mar 2019

10th

Percentage: 86

Skills

Languages: Proficient in Java; familiar with C, JavaScript (Fundamentals)

Backend: Spring Boot, REST APIs, JDBC, File Handling, Exception Handling, Multithreading, MVC Architecture

Web: HTML, CSS, Thymeleaf, Bootstrap

Databases: MySQL (CRUD, Joins, Aggregates), PostgreSQL (pgAdmin4, Spring Boot Integration)

Tools & Platforms: IntelliJ IDEA, VS Code, Git, GitHub, Postman, Arduino IDE, MySQL Workbench, pgAdmin4

Concepts: OOP, SDLC, Version Control, Deployment, Agile Basics

Professional Experience

Shiash Info Solutions – Chennai, Java Intern

Oct 2024 – Nov 2024

- Developed and tested Java-based console applications using core OOP principles, exception handling, file I/O, and JDBC for database interaction.
- Applied multithreading and implemented efficient data flow logic to simulate real-world business use cases.

Retech Solutions – Tambaram, Embedded Intern

Jan 2024 – Feb 2024

- Designed and prototyped sensor-based embedded systems using Arduino, integrating real-time data capture and actuator control.
- Programmed microcontrollers in Embedded C, validated sensor readings, and optimized hardware-software communication for enhanced performance.

Project Experience

Automated Floating Garbage Collector (Final Year Project)

Jan 2024 – Mar 2025

- Engineered a solar-powered, autonomous garbage collection bot using Arduino and ESP32-CAM.
- Integrated Edge Impulse model for real-time floating waste detection and classification..
- Automated navigation via L298N motor driver and implemented servo-based waste scooping mechanism.

Student Management System

GitHub

- Designed a Spring Boot REST API for managing student records using layered MVC architecture.
- Enabled secure CRUD operations with MySQL and validated using Postman.

Employee Management System

GitHub

- Built a full-stack web application using Spring Boot, Thymeleaf, Bootstrap, and MySQL..
- Implemented server-side validations and dynamic forms for user input.

Tic Tac Toe – Java Console Game

- Developed a modular two-player command-line game using Java, arrays, loops, and conditionals.
- Reinforced logic-building, control flow, and clean code practices.

Certifications

- Java Programming for Beginners – Crio.Do
- Spring Boot for Beginners – Amigoscode
- Java Projects – Self-learned (via GitHub)

SoftSkills

- Effective Communication, Fast Learning, Team Collaboration, Problem Solving, Time Management

Interests

- Playing cricket: teamwork and strategic thinking, playing chess: analytical skills and patience, Reading English stories : Enhancing language skills and cultural understanding.