

# BALAJI HARIHARAN N S

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Software Engineer | Full-Stack Developer | Java/Python Developer

## CAREER OBJECTIVE

Motivated software developer seeking opportunities to apply strong skills in Java, Python, SQL and full-stack development to build scalable, high-quality applications. Passionate about problem-solving, clean code practices, system optimization and contributing to collaborative engineering teams in a dynamic IT environment.

## EDUCATION

### KONGU ENGINEERING COLLEGE, ERODE

Master of Computer Applications.

*Present*  
CGPA: 8.59\*

### PSG COLLEGE OF ARTS & SCIENCE, COIMBATORE

Bachelor of Information Technology.

2021-2024  
CGPA: 8.2

### SAMBAVIGA HIGHER SECONDARY SCHOOL, SIVAGANGAI

HSC.

2020-2021  
Percentage: 80.91

### SAMBAVIGA HIGHER SECONDARY SCHOOL, SIVAGANGAI

SSLC.

2018-2019  
Percentage: 77.2

## PROJECTS

### SMART CONSTRUCTION MATERIALS MANAGEMENT SYSTEM

Developed a scalable MERN e-commerce application using MongoDB, Express.js, React (Vite), Node.js with JWT authentication and role-based access control.

Built a powerful admin dashboard with secure RESTful CRUD APIs for real-time inventory and order management.

### SMART BILLING SALES MANAGEMENT SYSTEM FOR CAFÉS

Developed a production-ready POS Billing System using MERN Stack with JWT authentication, real-time sales dashboard, and thermal receipt generation for a coffee shop.

### RECIPE RETRIEVAL

Built a personalized recipe recommendation system using React.js, Node.js, MongoDB with preference-based filtering.

Developed RESTful APIs and dynamic UI components for real-time recipe suggestions.

### PORTFOLIO

Developed a dynamic personal portfolio using React.js with component-based architecture and responsive design principles. Implemented optimized UI layouts and cross-device compatibility to deliver a seamless browsing experience.

### STUDENT MANAGEMENT SYSTEM

Built a Java desktop app using JDBC MySQL for construction material inventory management.

Added role-based login with secure CRUD operations and admin dashboard.

## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES

- C
- JAVA
- PYTHON
- JAVASCRIPT
- C#
- PHP

### WEB TECHNOLOGY

- HTML • MERN
- CSS

### IDE AND TOOLS

- VScode
- Eclipse
- Git • Github

### DATABASE AND PLATFORMS

- SQL
- AWS EC2, S3

## ACHIEVEMENTS

### GITHUB FOUNDATION

Gained practical knowledge of version control, repository management and collaborative workflows using Git and GitHub.

### SOFTWARE TESTING

Trained in manual testing principles, test case design, defect tracking and basic automation concepts.

## ADDITIONAL INFORMATION

- **Languages** - English, Tamil.
- **Soft Skills** - Problem solving, Team collaboration, Time management

## SOCIAL LINKS

<https://github.com/balajihariharan01>  
[www.linkedin.com/in/balajihariharanns](https://www.linkedin.com/in/balajihariharanns)  
<https://leetcode.com/u/balajihariharan/>  
<https://balajihariharanns.vercel.app/>