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: 8.69*

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 AND RESEARCH

ENERGY CONSUMPTION FORECASTING USING LSTM
Built a deep learning model using Python, TensorFlow/Keras, NumPy, Pandas, Matplotlib to forecast future energy usage from historical data.
Improved prediction accuracy by implementing data cleaning, feature engineering, and model tuning.
Demonstrated strong understanding of ML pipelines, time-series forecasting, and LSTM networks.

RECIPE RETRIEVAL
Developed a personalized recipe recommendation system using user preference history and intelligent filtering algorithms.
Technologies: React.js (Frontend), MongoDB (Database), Node.js (Backend).
Implemented REST APIs and dynamic UI components for real-time suggestions.

STUDENT MANAGEMENT SYSTEM
Created a desktop application using Java + JDBC + MySQL.
Implemented CRUD operations with proper exception handling and data persistence.
Strengthened skills in OOP, database connectivity, and UI design.

E-COMMERCE WEBSITE
Designed a responsive fashion e-commerce platform using HTML5 and CSS3.
Built structured product pages, navigation system, and user-friendly layouts.
Demonstrated understanding of frontend development and responsive design principles.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES
- C
- JAVA
- PYTHON
- JAVASCRIPT
- C sharp
- 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://leetcode.com/u/balajihariharan/
https://balajihariharanns.vercel.app/