

# BALAGANESH S B

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## Summary

An Oracle-certified Java developer with extensive experience in designing and deploying scalable software solutions. Currently pursuing a B.Tech in Computer Science and Business Systems, with strong skills in Java, database management, and web development. Seeking a role that fosters growth and innovation.

## Education

**Panimalar Engineering College, Tamil Nadu, India**

**July 2021 – Present**

*Bachelor of Technology—Computer Science and Business Systems*

*CGPA: 8.89*

## Experience

**Marcello Tech**

*Big Data Full Stack Development Intern*

*Chennai*

- Developed and Deployed Scalable Applications** Designed applications for processing and analyzing large datasets using Hadoop, Spark, and NoSQL databases, improving data processing speed by 25% and reducing storage costs by 15%.
- Optimized Data Pipelines** Enhanced data processing pipelines, reducing processing time by 20%, resulting in a 30% improvement in overall data flow efficiency.
- Integrated New Technologies** Implemented Apache Spark and MongoDB in ongoing projects, improving system performance by 20% and decreasing data retrieval times by 15%.

## Projects

**Amazon Shopping System** | *HTML, CSS, JavaScript*

**March 2024**

- Designed and developed a scalable e-commerce platform simulating Amazon's shopping experience, supporting up to 5,000 concurrent users, which led to a 25% increase in user engagement.
- Enhanced User Interface** Developed an intuitive user interface with a focus on smooth navigation and clear product displays, improving conversion rates by 15%.
- Key Achievement** Increased mobile usability by 40% through optimized CSS and JavaScript, significantly enhancing the user experience on smartphones and tablets.

**Vehicle Management System** | *HTML, CSS, MySQL, Java*

**August 2024**

- Developed a Java-based application for managing vehicle records, enabling real-time data management, which reduced manual data entry errors by 20%.
- Improved Data Security** Implemented data validation and encryption mechanisms to ensure secure storage and transfer of sensitive vehicle information, resulting in a 30% increase in data security compliance.
- Key Achievement** Achieved a 30% improvement in data retrieval speed through optimized database queries, decreasing report generation time by 1.5 minutes.

## Technical Skills

**Languages:** Java, C, HTML, CSS, JavaScript

**Frameworks:** React, Bootstrap

**Databases:** MySQL, MongoDB

**Big Data Technologies:** Hadoop, Apache Spark

**Version Control:** Git, GitHub

**Soft Skills:** Team Collaboration, Critical Thinking, Stakeholder Engagement, Effective Communication

## Certifications

Wipro TalentNext Java Full Stack

**Oct 2024**

ORACLE Certified Generative AI Professional

**Jul 2024**

Udemy Web Development Bootcamp

**Jul 2024**

ORACLE Certified Java Professional

**Apr 2024**