

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** Quickly adopted tools like Apache Spark and MongoDB in ongoing projects, leading to improved system performance.

Projects

Amazon Shopping System | HTML, CSS, JavaScript

January 2024

- Designed and developed a scalable e-commerce platform simulating Amazon's shopping experience, featuring user authentication, product catalog management, shopping cart, and order processing, supporting up to 5,000 concurrent users.
- Enhanced User Interface** Developed an intuitive user interface with a focus on smooth navigation and clear product displays, improving user engagement and 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

April 2024

- Developed a Java-based application for managing vehicle records, enabling tasks such as adding, updating, removing, and viewing vehicle information in real-time, reducing 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