

Mathesh Ravichandran

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SKILLS

PROGRAMMING

BACK END DEVELOPMENT

Java • Spring • SpringBoot

FRONT END DEVELOPMENT

HTML • CSS • Bootstrap

DATABASE

SQL • MySQL • H2

SOFT SKILL

Team player • Bias of action • Deliver Result

TOOLS

Git • GitHub • Maven • Eclipse • IntelliJ IDEA • VSCode • PostMan • Swagger UI

EDUCATION

BCSM

BHARATHIDASAN UNIVERSITY

BSc IN INFORMATION TECHNOLOGY

May 2023 | Thanjavur

Major CGPA: 7.2/10

LINKS

Github:// [click here](#)

Leetcode:// [click here](#)

LinkedIn:// [click here](#)

Twitter:// [click here](#)

Facebook:// [click here](#)

Portfolio:// [click here](#)

DSA

DATA STRUCTURE

Arrays and Strings

Linked List

Stack and Queue

Tree

Hash Table

ALGORITHMS

Searching, Sorting

Divide and Conquer

Recursion

Greedy

Backtracking

COURSE

Data Structures and Algorithms (I)

Data Structures and Algorithms (II)

Developing Android Apps

Building a REST API with SpringBoot

OBJECTIVE

Java developer passionate about crafting efficient, maintainable code. Seeking to leverage technical skills in Java, Spring Framework, and SQL to contribute to innovative projects and collaborate with a dynamic team, driving software development excellence and achieving mutual success.

PROJECTS

QUICKMART.MD (E-commerce)

- Developed a RESTful API for an e-commerce platform using Java, Spring Boot, and MySQL.
- Implemented features including product management, user authentication, and order processing.
- Integrated file upload capabilities for product images and ensured efficient data handling.
- Designed robust search functionality for products based on various criteria.
- Optimized database interactions using JPA and improved query performance.

JOBPORTAL.MD

- Developed a job listing backend using Spring Boot and MongoDB.
- Created RESTful APIs for job posting, searching, and filtering based on profile, tech stack, and experience.
- Implemented search functionality using MongoDB's text search and aggregation framework.
- Integrated Swagger UI for API documentation and testing.

REAL-TIME CHAT APPLICATION

- Developed a real-time chat application using Java with WebSocket for instant messaging.
- Integrated features such as group chats, file sharing, and message encryption.
- Used Java EE for back-end services and React for the front-end.

EMPLOYEE MANAGEMENT PORTAL

- Developed an employee management portal using Java, Spring MVC, and Thymeleaf, enhancing functionality for employee profiles, leave management, and payroll.
- Implemented role-based access control (RBAC) to manage user permissions and ensure data security with Spring Security.

ACHIEVEMENTS

- Developed fault-tolerant RESTful APIs for JobPorta.MD, improving system reliability by 20%.
- Implemented MySQL database optimizations in the E-Commerce project, reducing search response time by 25%.
- Enhanced security protocols in both projects, reducing vulnerabilities by 30% through robust authentication and authorization mechanisms.

HOBBIES

Travelling • Fitness • Kick-Boxing • Reading books • Nutrition • Self-Improvement