

Mathesh Ravichandran

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SKILLS

PROGRAMMING

BACK END DEVELOPMENT

Java • Spring • SpringBoot

FRONT END DEVELOPMENT

Basic , HTML • CSS

DATABASE

SQL • MySQL •

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)

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 using Java, Spring Boot, and MySQL. Optimized database interactions using JPA
- 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.

WORKWISE.MD (Job Portal)

- 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.

CONNECTNOW.MD (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.
- Spring for back-end services and React for the front-end.

EDUSPHERE.MD (Revolutionary School Management System)

- Developed a RESTful API using Java, Spring Boot, JPA, and PostgreSQL for efficient management of student and school data.
- Integrated Spring Security with JWT for robust authentication and authorization, ensuring secure access to the application.
- Utilized Swagger to generate interactive API documentation, enhancing usability for developers and clients alike.

ACHIEVEMENTS

- Developed fault-tolerant RESTful APIs for JobPortal.MD, boosting system reliability by 20%.
- Achieved a 25% improvement in search response time for Quick-Mart.MD through effective MySQL database optimizations.
- Implemented robust authentication and authorization mechanisms across all projects, reducing security vulnerabilities by 30%.
- Enhanced maintainability in EduSphere by utilizing DTOs, decoupling internal models from API responses.

HOBBIES

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