

# 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.

### JOBPORTAL.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