

Karthik R

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<https://github.com/Karthikr32> | Portfolio

Profile Summary

A passionate and self-motivated Full Stack Java Developer with a solid foundation in **front-end, back-end, and database** technologies. I am eager to apply my skills in building responsive, user-friendly, and secure web applications. With a strong interest in UI/UX design and clean architecture, I aim to contribute to impactful projects and grow within a collaborative, innovative environment.

Technical Skills

- **Front-end Technologies:** HTML5, CSS3, Bootstrap, JavaScript, jQuery, React
- **Back-end Technology:** Java, Spring, Spring Boot, Spring Security
- **Database:** MySQL
- **Tools and IDEs:** VS Code, Eclipse, IntelliJ IDEA, Postman
- **Version Control:** Git, GitHub
- **Others:** Restful API, Git CLI, JSON

Education

THIRUTHANGAL NADAR COLLEGE
Bachelor of Computer Application(BCA) - (71%)

2018 – 2021

ST JOSEPH'S HR SEC SCHOOL
Higher Secondary Certificate (HSC)/12TH - (68%)

2016 – 2018

Projects

Shopping Cart Application | HTML5, CSS3, Bootstrap, JavaScript, jQuery, Java, Spring/Spring Boot, Spring Security, MySQL

[Repo link](#) 

- **UI/UX:** Designed a responsive frontend with **smooth login/logout** hover effects and dynamic cart management. **Real-time validations** and feedback improved user experience and engagement.
- **Project Architecture:** Built a modular Spring Boot app using layered architecture (**controller, service, repository, DTO**), promoting scalability, maintainability, and clean separation of concerns.
- **Security Implementation:** Integrated **JWT-based stateless authentication** with Spring Security, enforcing secure access to endpoints while allowing public access to necessary resources. Developed robust user registration with comprehensive **DTO validation**, ensuring data integrity and preventing duplicate usernames or emails.
- **Dynamic Image Serving:** Served product images securely from the server filesystem with proper **MIME type** detection for optimized media delivery.
- **Product Data Management:** Built RESTful endpoints for product data upload and retrieval, enabling efficient bulk handling. Ensured **CORS support** for smooth frontend-backend integration.

YouTube Clone | HTML5, CSS3, JavaScript, and React

[Repo link](#)  | [Demo link](#) 

- **Component-Based Architecture:** Built using a modular design approach by dividing the UI into **reusable React components** such as Navbar, Sidebar and Home. This improves maintainability and scalability.
- **Dynamic Rendering:** Video content is dynamically rendered using a centralized **media.js** file containing thumbnails, titles, channel names, and video links. using React's **.map()** method to simulate a real-time YouTube feed.
- **Interactive Video Cards:** Each video card includes a thumbnail, channel icon, title, metadata, and links directly to the corresponding YouTube video.
- **Tooltip Feedback & UI/UX:** Hovering over action icons like “Search”, “Create”, and “Notifications” reveals tooltips for better usability. The layout is fully responsive and delivers a smooth, intuitive UI/UX across all screen sizes.

Electricity Billing DBMS | MySQL

[Repo link](#) 

- Demonstrated practical SQL skills by analyzing electricity usage across households using MySQL. Included **stored procedures, triggers, and joins** via MySQL Workbench, along with output screenshots in a detailed presentation.

Certifications

Completed Full Stack Java Developer course (Front-end + Back-end) at **Besant Technologies**, Anna Nagar Chennai.