

Karthik R

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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 in a collaborative, innovative environment.





Technical Skills

- **Front-end Technologies:** HTML5, CSS3, Bootstrap, JavaScript, jQuery, ReactJS
- **Back-end Technology:** Java, Spring, SpringBoot, 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 <i>Bachelor of Computer Application(BCA) - (71%)</i>	2018 – 2021
ST JOSEPH'S HR SEC SCHOOL <i>Higher Secondary Certificate (HSC)/12TH - (68%)</i>	2016 – 2018

Projects

- Shopping Cart Application** | HTML5, CSS3, Bootstrap, JavaScript, jQuery, Java, Spring/SpringBoot, 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** | HTML, CSS, JavaScript, and ReactJS [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, Home, and VideoCard. 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.