RITIK VIJAY DATEY

📞 7030417734   ✉ ritikdatey2017@gmail.com   in https://www.linkedin.com/in/ritik-datey/

Technical Skills

Languages and Databases: Java, JavaScript, SQL, MySQL
Frameworks and Technologies: JDBC, Servlet, JSP, Hibernate, Spring Core, Spring Boot, React.js, Node.js
Development Tools: Eclipse, VS Code, SQL Workbench, Postman, Tomcat

Projects

Personal Portfolio Website

Technologies: React, Node.js, HTML, CSS, JavaScript, GitHub

- Created a fully responsive website, accessible on all devices
- Integrated dynamic project display with filtering functionality.
- Enhanced performance by optimizing images and using lazy loading, reducing load time by 40%.

BookMyShow Clone API

Technologies: Java, Spring Boot, Hibernate, MySQL, Postman

- Developed RESTful APIs using Spring Boot, Hibernate, and MySQL for database management.
- Defined entity classes and established relationships between them, storing all data in the MySQL database
- Designed and implemented data models using JPA annotations and Hibernate ORM. Implemented APIs to enable efficient communication between the backend and front-end
- Created custom validation and exception handling to ensure data integrity and application robustness.

Autonomous Vehicles Using Raspberry Pi and Deep Learning

Technologies: Python, Deep Learning, Raspberry Pi, OpenCV

Hardware Used: Raspberry Pi 3B, Arduino UNO, L298N H-Bridge Motor Driver, RaspiCam v2

Software Used: Raspbian OS, OpenCV, Arduino IDE

- Developed a miniature self-driving vehicle prototype using deep learning techniques and Raspberry Pi, demonstrating real-life self-driving car functionality.
- Utilized Python for programming and implemented computer vision algorithms with OpenCV for object detection and navigation.
- Integrated Raspberry Pi 3B with Arduino UNO and L298N H-Bridge motor driver to control vehicle movement.
- Employed RaspiCam v2 for real-time image capturing and processing.
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Education

RTMNU University	**July 2017 – August 2021**
Bachelor of Engineering in Electronics and Communication	*Nagpur, Maharashtra*
Java Full Stack Development	**June 2023 – March 2024**
JSpiders, Training& Development Center	*Pune, Maharashtra*

Awards & Achievement

- NCC Cadet with 'B' and 'c' Certificate