RISWANTH BAALAJI M

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A motivated individual with foundational knowledge in SQL, programming languages, and web development technologies including JavaScript, HTML5, and CSS. Experienced in working with MS SQL Server and MySQL for database management. Familiar with Bootstrap for creating responsive and dynamic web applications.

EDUCATION

- **Master of Computer Applications | The Gandhigram Rural Institute (Deemed to be University)**
  CGPA: 8.31   **Aug 2022 – May 2024**

- **Bachelor of Science in Mathematics | GTN Arts College (Madurai Kamaraj University)**
  CGPA: 8.5   **Jun 2019 – Apr 2022**

PROFESSIONAL SKILLS

- **Front-End Development**: HTML5, CSS3, JavaScript, ReactJS, Bootstrap
- **Back-End Development**: Java, Python
- **Database**: MySQL, MongoDB
- **Version Control and Deployment**: Git, GitHub

PROJECTS

E-Commerce Website using ReactJS and MongoDB   **Dec 2023 – Mar 2024**

- Developed a full-stack E-Commerce Website utilizing React and Node.js with Express, enhancing data handling speed by 30% through real-time features like user authentication and product search.
- Designed responsive UI components with HTML5, CSS3, and JavaScript, ensuring optimized MongoDB schemas for product listings and fostering dynamic user interactions.
- Designed and developed a user-friendly online shopping platform with a seamless browsing and purchasing experience.
- Implemented key features such as product search, shopping cart management, secure transactions, and dynamic user interactions to enhance functionality and engagement.

Obstacle Avoidance Robot using IoT   **Mar 2024 – Jun 2024**

- Engineered an autonomous robotic system capable of real-time obstacle detection and avoidance for efficient navigation.
- Integrated smart sensing and monitoring mechanisms to ensure safe movement, making it suitable for automation, surveillance, and rescue operations.
- An autonomous robot equipped with sensors (ultrasonic/IR) to detect and avoid obstacles while navigating its environment.
- Integrated with IoT technology for real-time monitoring and remote control via a web or mobile app.
- Ideal for applications like home automation, industrial automation, surveillance, and rescue operations.

Portfolio Website using BootStrap   **Oct 2024 – Nov 2024**

- Designed a personal website to showcase projects and technical skills with a clean, responsive layout.
- Focused on delivering an intuitive user experience with structured content, smooth navigation, and visually appealing design for an engaging online presence.

CERTIFICATIONS

- Python for Data Science – NPTEL (IIT Madras)
- Python for Programmers - Udemy (pursuing)

INTERNSHIP

Zenecks Infotech, Coimbatore

Full Stack Development Intern

December 2024 – March 2025

- This internship provides me with hands-on experience in both frontend and backend technologies, allowing me to apply my knowledge of **Java, Python, SQL, and modern frontend frameworks** in real-world projects.
- I am actively involved in developing responsive web applications using **HTML, CSS, JavaScript, Bootstrap, and React.js**, ensuring an intuitive and dynamic user experience.
- On the backend, I am working with **Node JS** to build scalable and efficient server-side applications while managing databases using **MySQL and MongoDB**.
- Additionally, I am gaining experience in API development, integration. Through this internship, I am enhancing my problem-solving abilities, debugging skills. Working in a professional environment with industry experts is helping me refine my coding practices, improve my collaboration skills, and prepare myself for a successful career in software development.

SOFT SKILLS

- Flexibility
- Willing to Learn
- Problem Solving