

KALAIVANAN K

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Objective

Enthusiastic and adaptable Web Developer with a background in Computer Science, proficient in JavaScript, HTML5, CSS, React, and React-Bootstrap, with a solid understanding of front-end and back-end development. Experienced in designing and implementing responsive, user-friendly web applications and managing projects from concept to deployment. Skilled in database integration, JSON data handling, and building interactive web features such as search, filter, edit, and delete functionalities. Demonstrated ability to train and mentor professionals, including government staff, in adopting digital tools and software applications. Strong problem-solving skills, attention to detail, and a commitment to delivering high-quality, scalable, and visually engaging digital solutions. Eager to contribute technical expertise and collaborative energy to dynamic development projects while continuously learning emerging technologies.

Education

Sri Krishna Arts and Science College, Coimbatore

Master of Science in the branch of Computer Science

August 2022 – April 2024

GPA: 7.5/10

National College, Trichy

Bachelors of Science in the branch of Computer Science

July 2019 – June 2022

GPA: 8.9/10

Technical Skills

Languages/Database: Python, Java, SQL, MySQL

Web Technologies: HTML5, CSS3, JavaScript, React, React-Bootstrap, Bootstrap

Software & Tools: Git/GitHub, VS Code, Figma, Adobe XD, Postman

Experience

VIVID TRANS TECH SOLUTIONS PRIVATE LIMITED

September 2024 – Present

Software Trainer

Chennai

- TASMACH E2E – Software Trainer, Chennai As a Software Trainer, I conducted end-to-end training programs for government staff, focusing on the adoption and effective use of digital systems. I was responsible for designing and delivering structured sessions that integrated theoretical concepts with practical applications, enabling participants to streamline workflows and improve operational efficiency. My role included guiding staff through real-time case studies, hands-on exercises, and process-oriented applications tailored to government requirements. I provided continuous support to ensure smooth adoption of new technologies, strengthened their problem-solving capabilities, and improved their confidence in handling digital platforms. This experience enhanced both the technical readiness of government teams and my own expertise in training delivery, curriculum design, and large-scale digital transformation initiatives.

Projects

E-Farming System | *Java, MySQL, HTML5, CSS3, JavaScript, Eclipse, MySQL*

October – April 2024

- E-Farming System – 6-Month Academic Project
- Designed and developed a mobile and web-based platform to connect farmers directly with buyers.
- Built modules for user authentication, crop listing, pricing, and transaction management.
- Integrated MySQL database for secure and efficient storage of user and product information.
- Implemented backend logic in Java and developed responsive front-end interfaces.
- Improved accessibility for farmers by providing a simple, user-friendly application.
- Applied secure login mechanisms to ensure data protection and safe user access.
- Conducted testing and debugging to improve system reliability and performance.
- Documented the project with system design, flow diagrams, and reports for academic evaluation.

Publication

Achieving Efficient Secure Deduplication With User-Defined Access Control In Cloud.

March 2024

- Presented a paper focused on data deduplication techniques to improve storage efficiency in cloud environments.
- Proposed a method integrating secure deduplication with user-defined access control, ensuring both data confidentiality and controlled accessibility.
- Highlighted how the approach reduces storage overhead and redundancy while maintaining high security standards.
- Demonstrated practical applications for cloud service providers in managing large-scale data efficiently.
- Compared the proposed model with existing systems to showcase better performance in terms of speed and security.
- Addressed potential data privacy challenges in cloud storage and suggested solutions through cryptographic techniques.
- Emphasized the role of the system in supporting scalable, cost-effective, and secure cloud services for enterprises.

Certifications

Certificate 1: IBM Workshop Certificate

Certificate 2 : Business Analyst Assessment

Certificate 3 :Java,Python