RISHIKESH KASTURE

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Software Engineer with 1 years of experience in Front-End Development, seeking full-time Software Developer roles.

PROFESSIONAL EXPERIENCE

Trainee Front-End Developer.   FEB 2023 - Jan 2024
Rego Digital Solutions PVT.LTD   *Pune, India*

- Proficient in React.js, specializing in reusable components and React Router DOM for smooth navigation.
- Expertise in organizing React.js file structures for improved readability, scalability, and maintenance.
- Mastery in utilizing React Hooks for efficient state management and code maintainability.
- Collaborative team player, contributing to cross-functional projects for organizational advancement.
- Optimized performance through techniques such as code splitting, lazy loading, and memoization to ensure fast loading times and smooth user experiences.
- Proactively identifies and implements solutions to enhance code performance and user interactions, benefiting the organization.

TECHNICAL SKILLS

Proficient in JavaScript and React.js.	Expert Tester for the UI Screens and Web.
JavaScript	HTML CSS.
XML.	Knowledge of JSON Web Token.
Node.js	REST(API).
MongoDB.	Python

SOFT SKILLS

Excellent communication skills.
Strong problem-solving abilities.
Capable of motivating and inspiring team members towards achieving common goals.

CERTIFICATION

Programming with JavaScript.

- Brief introduction to Javascript ES6 version
- Test-Driven Development (Jest,Cypress).
- Object-Oriented Programming (OOP).

Introduction to FrontEnd Development .

- Create and style a webpage with HTML5 and CSS3.
- Responsive Web Design.
- Frameworks(React.js).
- Collaborating third party libraries (Redux ,Material UI).

Python and Data Structures

- Python Syntax And Semantics.
- Introduced to Python Data Structures (Lists, Sets, and Tuples,Dictionary).
- principles of data structures and how they are used.

Introduction to Software Engineering

- Systematic approach to software development,incorporating the Software Development Lifecycle.

- Gaining knowledge basic constructs such as loops for code flow control.
- Utilize tools (Git) for coding, testing, and collaboration.
- Introduced to Software Testing Life Cycle (STLC)

EDUCATION

Bachelor of Engineering in Electronics and Telecommunications,SPPU. 2018 2023
Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati.
CGPA-7.26.

Higher Secondary Education 12th,(MSBSHSE). 2016 - 2018
Sahebrao Phadtare Jr College, Baramati.
Percentage-60.

Secondary Education 10th,(MSBSHSE). 2016
Vidya Pratishthan's Vinodkumar Gujar Bal Vikas Mandir, Baramati, Baramati.
Percentage-62.

PUBLICATION

MOTION TRAJECTORY BASED HUMAN HAND TRACKING FOR SIGN LANGUAGE RECOGNITION.

- Methodology: Utilizes machine learning, specifically Convolutional Neural Networks (CNNs) .
- Accuracy: Achieves 99.18 percent on training data, 97.31 percent on the validation set 2023 May 03 .
- Objective: Enhance communication for mute or disabled individuals .
- Focus: Accurately interprets a wide variety of sign gestures.
- Results: Demonstrates effectiveness in real-time hand tracking and sign language recognition.

PROJECTS

MOTION TRAJECTORY BASED HUMAN HAND TRACKING FOR SIGN LANGUAGE RECOGNITION.

- Developed a motion trajectory-based human hand tracking system for sign language recognition, emphasizing real-time interpretation and communication.
- Implemented a Convolutional Neural Network (CNN) architecture for effective sign language recognition, achieving an impressive accuracy of 99.18 percent on the training dataset.
- Contributed to the field of assistive technologies, aiming to improve accessibility and inclusiveness for individuals with hearing impairments.

RAIN DROP DETECTION WIPER

- Developed automatic rain-sensing car wiper system.
- Detects precipitation and activates wiper blades to clear the windshield during rainfall.
- Enhances driver visibility without manual intervention.
- Microcontroller dynamically adjusts servo motor speed based on signals from rain sensor.
- Minimizes driver distraction by providing optimal wiper performance in varying rain conditions.

PERSONAL DETAILS

- Open to relocate.
- Date of Birth: 22 Aug 2000.
- Communication Address: S NO 129 DNYAN KAMAL Residency, Behind Moraya heights, DANGAT INDUSTRY, Canal Road, PUNE-WARJE 411058.
- Permanent Address: Flat 8, Soham apartment, Desai estate, jalolchi road , Baramati.