

Kandhasamy M

Bachelor of Engineering

Mechanical

Universal College of Engineering and Technology , Vallur

+91-9629468997
✉ kandhas808@gmail.com
📞 Kanna1234566
🏠 Kandha samy

EDUCATION

- **Universal College of Engineering and Technology , Vallur** 2020 – 2023
Bachelor of Engineering in Mechanical Engineering CGPA : 8.15
- **RECT Polytechnic, TVL - Diploma** 2020
DOTE Percentage : 88
- **Government Higher Secndory School , TVL - HSC** 2017
The Tamil Nadu Board of Secondary Education Percentage : 68.4

PROJECTS

- **AI-Powered Photo Gallery Application**
Developed a dynamic photo gallery app with client-side AI-based face recognition using React.
 - Designed and implemented the user interface using React, ensuring a responsive and user-friendly experience.
 - Integrated TensorFlow.js for real-time face detection and recognition directly in the browser, optimizing AI models for efficient performance.
 - Developed features for uploading, organizing, and managing photos within the gallery, including tagging, searching, and categorizing based on recognized faces.
 - Added features for bulk photo uploads, batch face recognition processing, and intuitive interfaces for manual tagging and verification.
 - Conducted comprehensive testing with Jest and Cypress, and deployed the application using Netlify/Vercel with CI/CD pipelines.
 - Utilized technologies including React, Redux, JavaScript (ES6+), HTML5, CSS3, and Git.
- **Mobile and Web App for Ride Booking**
Developed a comprehensive solution for ride, logistics booking, and hiring drivers using React.js and React Native
 - Designed and implemented a seamless user experience for booking taxis, bike taxis, and professional drivers, enhancing accessibility and convenience.
 - Developed visualizations to present data insights effectively, ensuring a user-friendly interface and smooth functionality.
 - Utilized technologies including React.js, React Native, JavaScript, HTML, CSS, Git, Redux, RESTful APIs, Bootstrap, and Websocket for real-time communication with Socket.IO.
- **Elude Assessment Project**
Developed a comprehensive assessment platform using React.js and React Native to provide an intuitive and seamless user experience.
 - Conceptualized and developed the user interface, user experience, and visual design of the platform.
 - Created a robust platform for IT-related interview and assessment preparation, including: Mock interview scheduling, Interactive learning courses for programming languages such as Java, Python, and React data visualizations to display user progress and insights, facilitating growth tracking and identification of improvement areas.
 - Utilizing technologies including React.js, React Native, JavaScript, HTML, CSS, Git, Redux, RESTful APIs

EXPERIENCE

- **Software Developer Intern** jun - dec 2023 (6 months)
Ascending Software
 - Developed Drive Thru using React.js and React Native technologies, ensuring a user-friendly interface and smooth functionality.
 - Collaborated with a dynamic team to create innovative solutions, enhancing user experiences and optimizing service efficiency.
 - Interned at a developing company, gaining valuable industry insights and practical experience, which contributed to the project's success.
 - Utilized version control systems like Git to manage and track changes to the codebase.
- **Junior Software Developer** Dec 2023– july 2024 (7 months)
Ascending Software

- Continued work on the Drive Thru project as a Junior Software Developer, contributing to ongoing development and maintenance efforts.
- Collaborated closely with senior developers to implement new features and resolve issues in the application.
- Participated in code reviews and provided feedback to ensure code quality and adherence to best practices.
- Engaged in ongoing learning and professional development to further enhance skills in React.js and React Native development.
- Developed a dynamic photo gallery app with client-side AI-based face recognition using React ,Redux, JavaScript (ES6+), HTML5, CSS3, and Git.

TECHNICAL SKILLS and INTERESTS

Languages: JavaScript, HTML, CSS, Sass, Git, JQuery

Libraries: React.js, React Native, Chart.js, DataTables, jQuery, Socket.IO

Web Dev Tools: Node.js, VSCode, GitHub, Yarn,

Frameworks: Bootstrap, Vite.js, Blazor Server, Expo CLI

Database: MySQL

Soft Skills: Problem Solving, Self-learning, Debugging, Adaptability

Progressive Web Apps (PWAs): Expertise in building PWAs with manifest.json, service workers, and caching strategies to ensure fast, reliable, and offline-capable web applications.

Responsive Design: Strong understanding of fluid grid systems, flexible media elements, and media queries to create mobile-first and cross-device compatible websites.

No-Code Solutions: Experience in working with no-code tools and platforms (e.g., Webflow, Bubble) to quickly prototype and deploy web applications without the need for heavy code development.

Cross-Browser Development: Understanding browser compatibility and responsive behavior across major browsers.

Tools: Figma, Visual Studio Code, Chrome Developer Tools

Developed Interactive 3D Visualizations: Created engaging 3D models and animations using Three.js to enhance user experience on web applications.

Buffer: Mention how you handle data streams and APIs efficiently.

Designed Responsive 3D Scenes: Built and optimized responsive 3D scenes, improving user interaction through dynamic animations and real-time rendering.

POSITIONS of RESPONSIBILITY

- **Class Representative** Universal College Of Engineering *May 2020–July 2023*
 - Initiative and Leadership, Time Management, Organizing Events, Problem Resolution, Monitoring.
 - Collected over Rs. 100000 entry fees for different activities.
- **Project Coordinator** Engineering Project Team *Jan 2023–apr 2023*
 - Played a key role in coordinating project activities, including task assignments, progress tracking, and team communication.
 - Demonstrated strong organizational skills by ensuring deadlines were met and project milestones were achieved.
 - Collaborated effectively with team members to overcome challenges and deliver high-quality results.
 - Received recognition for exceptional dedication and contribution to the success of the project.

CERTIFICATIONS

- **Prize on Digital Design in PET Engineering College PET'19**
- **Prize on Paper Presentation in Universal College of Engineering UNIQUET'22**