

# Vignesh S

## Software Developer

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## Summary

Enthusiastic Frontend Developer with expertise in HTML, CSS, JavaScript, React.js, Next.js and TypeScript. Skilled in building responsive web designs, crafting user-friendly interfaces, and optimizing performance. Passionate about developing innovative, high-quality web applications and delivering seamless user experiences.

## Skills

**Programming & Technologies:** HTML, CSS, JavaScript, TypeScript, React.js, Next.js, MUI, Ant Design  
**Developer Tools:** VS Code, Git, GitHub

## Work Experience

**Hema's Enterprises Pvt Ltd, Cuddalore**

**Feb 2024 - Present**

### Trainee Developer

- Designed and developed dynamic, responsive web applications using React.js (TypeScript), Redux for state management, Formik for form validation, and Material-UI (MUI) for UI design.
- Collaborated with designers and backend developers to integrate APIs, ensuring seamless data flow between frontend and backend with a focus on efficient data handling.
- Utilized Git for version control and efficient code collaboration, ensuring smooth code transfer and team synchronization.
- Optimized application performance and implemented best practices for scalability and maintainability.

## Projects

### Convex - Project Management Tool

Tech Stack: **React.js (TypeScript)**, Redux, Material-UI (MUI), Formik, Git

- Created a **dynamic form layout** for project creation, enabling hierarchical structuring of milestones, task lists, tasks, and sub-tasks.
- Implemented **dynamic status** creation to efficiently track project progress.
- Designed a **role-based access control (RBAC)** system with dynamic role creation for granular permission management.
- Built a **dynamic Team** creation feature, allowing seamless mapping of teams to projects.
- Defined and integrated predecessor-successor task relationships to ensure proper workflow execution.

### Tixie- Ticket Management Tool

Tech Stack: **Next.js (TypeScript)**, Redux, Material-UI (MUI), Formik, Git

- Designed a ticketing system that allows users to raise **tickets** for specific departments within an organization.
- Built a multi-level ticket escalation system (L1 → L2 → L3) with comprehensive status tracking.
- Built customizable roles to support a scalable Role-Based Access Control (RBAC) system.
- Built brief reporting functionality for tickets, including **export** options for storing and analyzing ticket data.

## Education

**Dhanalakshmi Srinivasan Engineering College | Perambalur**

**Aug 2019 - Jun 2023**

BE - Computer science and engineering | CGPA : 7.7

**New Millenium Matriculation Higher Secondary School | Cuddalore**

**Jun 2018 - Apr 2019**

HSC | Percentage : 62.2%

SSLC | Percentage : 74.4%

**Jun 2016 - Apr 2017**