

# Sakthivel R

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## Objectives

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To obtain a challenging position as a Software Developer where I can utilize my skills in React, Node.js, TypeScript, and modern web technologies to contribute to innovative projects while continuously learning and growing within a dynamic development team.

## Skills

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**Frontend Development** : ReactJS, Bootstrap, HTML 5, CSS 3.

**Backend Development** : Node.js, Express.js, MongoDB, REST APIs, MySQL

**Languages** : JavaScript, TypeScript, SQL, Python, C++ , Java.

**Version Control** : Git,Github

## Education

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**University College of Engineering, Nagapattinam** , B.E. in Electronics and Communication Engineering

Oct 2021 – Jul 2025

- CGPA : 7.6

## Experience

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**Software Engineer Intern**, SKATTECH IT SERVICES – Chennai, Tamil Nadu

Nov 2024 – May 2025

- Designed and developed responsive web pages using **HTML**, **CSS** for static content sections.
- Built a **dynamic form component** using **React JS**, enabling configurable form rendering from JSON data.
- Contributed to back-end development by converting existing functionalities into **reusable NPM modules**, improving modularity and code reuse.
- Developed complete **back-end services** for an **e-commerce web application** using **Node.js**, **Express**, and **MongoDB**.
- Collaborated in an agile environment, applying best practices in **REST API development**, **code versioning (Git)**, and **modular design**.

## Projects

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**React Form NPM Package**

[github Link](#)

- Developed and published a reusable Dynamic Form Builder as an NPM package using React, TypeScript, Redux Toolkit, and styled-components, enabling dynamic form rendering from JSON schemas with support for wizard steps, validation, and API integration.
- Tools used: React, TypeScript, NPM.

**Client-Specific Data Migration System**

[github Link](#)

- Developed a modular data migration system to transfer student and teacher records into uniquely named MongoDB collections per client, with REST API triggers, parallel execution, and detailed status logging.
- Tools used: Node.js, Express, TypeScript, MongoDB, Mongoose

**Real-Time Biometric Attendance System Using IoT**

[github Link](#)

- Developed a real-time biometric attendance system using **ESP8266**, **AS608 fingerprint sensor**, **PHP-MySQL backend**, and a **web-based dashboard**, enabling secure IoT-based attendance logging with real-time data transfer and admin management panel.
- Tools used: MySQL, HTML, CSS, JavaScript, XAMPP