



# SARAVANAN B

BTECH IT

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## SUMMARY

Enthusiastic full stack developer, aspiring data analyst, and IoT product developer with hands-on experience in building dynamic web applications. Skilled in both front-end and back-end development using technologies like the MERN stack. Adept at creating user-friendly interfaces, optimizing performance, and collaborating on projects from concept to completion. Eager to apply and expand technical expertise through internships and real-world experience in web development, data analysis, and IoT-based solutions.

## EDUCATION

### Francis Xavier Engineering college

B. Tech Information Technology  
8.5 GPA  
2022 – 2026

### Kamlavati senior secondary school CBSE

SSLC CBSE 71%  
HSC CSBE 75%  
2020 – 2022

## SKILLS

- Language Skills :** C, Python, R, Basic Java.
- Front-end :** HTML, CSS, ReactJS, Bootstrap.
- Back-end :** MySQL, Node.js, MongoDB, Flask, PhpMyAdmin, AppScript.
- IDEs :** VS code, Google Colab, Arduino IDE
- Tools :** Git & GitHub, Netlify, Figma.
- Soft Skills :** Team Collaboration and Better Communication

## CERTIFICATIONS

- NPTEL ELITE:** Privacy and Security in Online Social Media - 62%
- NPTEL ELITE:** The Joy of Computing Using Python - 61%

## AREA OF INTEREST

- Web Development
- Data Analytics
- IoT and Embedded Systems

## ACHIEVEMENTS

- Secured 1st place in Bright Hatch '24 – Technical Presentation
- Secured 3rd place in AATRAL Project Expo
- Student Trainer – Delivered AI tools workshop for school students at FXEC

## INTERNSHIP

### NXTLogic Software Solutions

Full Stack Development | 6 weeks

Full Stack Intern at Nxtlogic Software Solutions, Coimbatore – Developed and deployed “Men’s Hub”, a dynamic fashion website using HTML, CSS, and ASP.NET. Gained hands-on experience in front-end and back-end under expert mentorship.

## PROJECTS

### STUDENTS LABORATORY FOYER

#### MERN Stack

Developed the Student Laboratory Foyer system for managing student attendance and admin reporting with a responsive frontend using MERN Stack for seamless data submission to Database.

### TYRE GUARD

#### MERN Stack, Socket.IO, Arduino, Sensors

The TyreGuard system uses IIoT-based wireless sensors to monitor tyre health in mining dumpers, providing real-time data on pressure, temperature, and TKPH. Its mobile app offers alerts and predictive maintenance, improving safety, efficiency, and tyre lifespan.

### MEN'S HUB

#### HTML & CSS, JavaScript, ASP.NET

Men's Hub is a dynamic fashion website built with HTML, CSS, and ASP.NET, offering a seamless shopping experience for men's apparel. It combines user-friendly design with efficient back-end management.

### CRIC\_KIT SHOPPING WEBSITE

#### React.js, Node.js, MySQL, Appscript

The Cric\_Kit project is a React-based shopping website for cricket gear, featuring a sleek UI and an interactive order system. It allows users to add products to their order bill and view a summary.

## JOURNAL PUBLICATION

**TyreGuard** – An IIoT-based smart tyre monitoring system for mining vehicles to track tyre pressure, temperature, and TKPH in real time.

**Published in:** International Journal of Research Publication and Reviews (IJRPR)

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