

SARAVANAN B

BTECH IT

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SUMMARY

I'm Saravanan B, an enthusiastic and self-driven B.Tech IT student from Francis Xavier Engineering College. I'm passionate about leveraging technology to solve real-world problems, particularly in web development, IoT systems, and data analytics.

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%

SKILLS

- Language Skills :** C, Python, R, Java.
- Front-end :** HTML5, CSS3, JavaScript, React.js, Angular.
- Back-end :** Node.js, FastAPI, Flask, Google Apps Script, Local LLM Model Integration.
- Databases:** MySQL, MongoDB.
- Developer Tools & Platforms:** Git & GitHub, phpMyAdmin, Google Colab, Arduino IDE, Visual Studio code, Netlify.
- Soft Skills :** Team Collaboration, Effective Communication, Analytical Thinking.

CERTIFICATIONS

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

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

JOURNAL PUBLICATION

TyreGuard – An IIoT-Based Smart Tyre Monitoring System for Mining Vehicles, International Journal of Research Publication and Reviews (IJRPR), Vol. 06, Issue 04, April 2024 (ISSN: 2582-7421).

INTERNSHIP

Frontend Developer Intern | Trackerwave Private Limited | Jan 2026 – Present

Developing Angular components, implementing routing and services, and contributing to live enterprise projects.

Software Developer Intern | Colakin Private Limited | Nov 2025 – Jan 2026

Built AI backend services using FastAPI, integrated local LLM models, and worked with LiveKit in a banking domain project.

Full Stack Development Intern | NXTLogic Software Solutions | Jun 2024 – Jul 2024

Developed and deployed a dynamic fashion website using HTML, CSS, and ASP.NET as part of a full-stack development team.

PROJECTS

Public Complaint Prioritization System | Python, NLP, Machine Learning

Implemented an NLP-based classification system using TF-IDF and Logistic Regression to automatically prioritize citizen complaints into high, medium, and low urgency levels.

Government Scheme Awareness & Benefits Utilization Dashboard | Power BI, Data Analytics

Created a data-driven Power BI dashboard using open government datasets to analyze welfare scheme awareness, identify high-risk regions, and support data-backed policy decisions.

TyreGuard – Smart Tyre Monitoring System | React.js, Socket.IO, Arduino, Sensors

Developed an IIoT-based system to monitor tyre pressure, temperature, and TKPH in real time for mining vehicles, enabling alerts and predictive maintenance.

Students Laboratory Foyers | MERN Stack

Developed a web-based system to manage student laboratory attendance and administrative reporting with a responsive MERN stack frontend and seamless database integration.

Men's Hub | HTML, CSS, JavaScript, ASP.NET

Designed and deployed a dynamic fashion website providing a smooth shopping experience with efficient front-end design and back-end management.