

# Yuvaraja Murali

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## Professional Summary

- Security-focused **Full-Stack Developer** skilled in **Next.js, React, React Native, JavaScript, TypeScript, Python, and MongoDB**. Experienced in building **scalable, high-performance applications** with a strong emphasis on **security and optimization**.
- Passionate about **system security, automations and digital transformation**, driving innovation and efficiency through cutting-edge technologies.

## Technical Skills

**Languages:** Python, JavaScript, TypeScript, C/C++ (FOP), Java (FOP)

**Technologies:** React.js, Next.js, React Native, Flask, Django, TensorFlow, Tailwindcss, Selenium, Git, Android SDK

**Tools:** Postman, WSL, Wireshark, Nmap, Figma, Autodesk Fusion360

**Databases:** MongoDB, Redis, Firebase, PostgreSQL, MySQL, SQLite

**Skills:** Problem Solver, Team Leadership, Public Speaker, Critical Thinking, Collaboration

## Education

**Manakula Vinayagar Institute of Technology**

2022 – 2026

*Bachelor of Technology in Computer Science (CGPA: 7.7 / 10.00)*

*Kalitheerthalkuppam, Pondicherry*

**Petit Seminaire Higher Secondary School**

2008 – 2022

*SSLC & HSC (SSLC: 74.4%) – (HSC: 84%)*

*Pondicherry, India*

## Experience

**Ignite Skylabs**

Mar 2024 – Mar 2025

*Fullstack App Developer*

*Kalitheerthalkuppam, Pondicherry*

- Collaborated with the development team on Ridemap, implementing scalable architectures, recommending modern technology stacks, and conducting comprehensive code reviews to ensure high-quality, maintainable code.
- Developed Ridemap V2 a React Native mobile app featuring real-time bus tracking, route optimization, in-app chat, bus pass management, and an AI-driven chatbot, enhancing user experience. This new version boosted user engagement, achieving **4.2+ stars, 530+ reviews, and 10K+ downloads** on the Play Store.
- Optimized the Bus and User Management Admin Panel by implementing automation features, refining workflow efficiencies, and resolving critical system bugs, improving overall functionality and system performance.

## Projects

**Mitilence 2025** | MVIT College Event Management Site

Feb 2025 – Mar 2025 – India

- Engineered a Next.js & Firebase-powered platform for seamless event registration, Google OAuth login, and QR-based check in.
- Achieved 3,267+ unique visitors & 17,302+ page views within 9 days, showcasing high engagement.
- Enhanced event efficiency, reducing check-in delays and improving user experience with a smooth, automated workflow.
- Optimized real-time database operations, ensuring fast, scalable performance with Firebase Firestore.

**DOJO 2.0 Dashboard** | Lucas TVS Company

Nov 2024 – Jan 2025 – India

- Built an ML-driven trainee assessment platform eliminating human supervision and improving evaluation accuracy.
- Developed an automated self-enrollment and assessment system for real-time trainee tracking.
- Designed the React.js based admin dashboard for monitoring, data export, and content management.

**Student's Tracker** | College Project

Feb 2024 – India

- Developed an AI-powered tracking system using TensorFlow and OpenCV for real-time student movement analysis.
- Created an interactive web dashboard for real-time location insights and movement patterns.
- Implemented a scalable, secure system to handle high-volume live camera data streams.

## Languages

- Tamil (Native)
- English (Fluent)
- French (Proficient - 6 years of study)