

Yuvaraja Murali

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Professional Summary

- Results-driven **Full-Stack Developer** with expertise in Next.js, React, React Native, JavaScript, TypeScript, Python, and **MongoDB**. Proven experience in developing secure, scalable, and high-performance web and mobile applications.
- Strong background in **application security, automation, API integration, and digital transformation**, with a focus on delivering optimized and maintainable code.

Skills

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

Web & Mobile Technologies: React.js, Next.js, React Native, Flask, Express.js, Django, Tailwind CSS, Selenium

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

Machine Learning & AI: Sci-Kit Learn, TensorFlow, Ollama

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

Core Skills: Problem Solving, Critical Thinking, Collaboration, Team Leadership, Public Speaking

Education

Manakula Vinayagar Institute of Technology

2022 – 2026

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

Kalitheerthalkuppam, Pondicherry

Petit Seminaire Higher Secondary School

2008 – 2022

SSLC (10th) - 74.4% & HSC (12th) - 84%

Pondicherry, India

Experience

Ignite Skylabs

Mar 2024 – Mar 2025

Full-Stack App Developer

Kalitheerthalkuppam, Pondicherry

- Led development of **Ridemap V2**, a **React Native** app with real-time bus tracking, route optimization, in-app chat, bus pass management, and an AI-powered chatbot—achieving **10K+ downloads, 4.3+ star rating, and 530+ reviews** on the Play Store.
- Collaborated with cross-functional teams to architect scalable solutions, modernize tech stacks, and perform code reviews to ensure code quality and maintainability.
- Enhanced the Admin Panel for bus and user management by automating workflows, fixing high-priority bugs, and improving performance and usability.

Projects

ParkWheels | MVIT Parking Management System

Apr 2025 – Present – India

- Developed a role-based parking system in **Next.js** with dashboards for Users, Security, and Admins.
- Automated boom gate access via **LPR ML models** and **QR code scanning** for vehicle pass verification.
- Enabled vehicle registration with **RC/insurance uploads** and centralized admin data control.

Mitilence 2025 | MVIT College Event Management Site

Feb 2025 – Mar 2025 – India

- Developed an event management platform using **Next.js** and **Firebase** with features like **Google OAuth**, event registration, and **QR-based check-in**.
- Drove high user engagement with 3,267+ unique visitors and 17,302+ page views in 9 days.
- Improved operational efficiency by automating workflows and optimizing real-time performance with **Firebase Firestore**.

DOJO 2.0 Dashboard | Lucas TVS Company

Nov 2024 – Jan 2025 – India

- Engineered a trainee self-enrollment system with **ML-based evaluations** to eliminate manual supervision.
- Built a scalable **React.js** admin dashboard with real-time monitoring, data export, and content management.
- Streamlined trainee tracking and improved accuracy through automation and intelligent evaluation workflows.

Languages

- Tamil (Native)
- English (Fluent, Professional Communication)
- French (Proficient, 6 years of study, Intermediate Level)