KEVIN SIV RAJ

Full-Stack Developer | B.E. Computer Science & Engineering

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PROFESSIONAL SUMMARY

B.E. Computer Science and Engineering student with hands-on experience developing full-stack web and mobile applications using JavaScript, React.js, Node.js, Express.js, Python, FastAPI, MySQL, and modern development tools. Experienced in building responsive interfaces, REST APIs, authentication systems, database-driven applications, and AI-powered features. Strong interest in full-stack development and building practical, user-focused software solutions.

EDUCATION

Bachelor of Engineering — Computer Science and Engineering *Expected 2028*

M. Kumarasamy College of Engineering

CGPA: 6.76 / 10.0 (up to 4th semester)

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript

Frontend: HTML5, CSS3, JavaScript, React.js, Vite, Tailwind CSS

Backend: Node.js, Express.js, FastAPI, Spring Boot

Databases: MySQL, SQLite

Mobile: Flutter

AI / ML: Random Forest, XGBoost, Neural Networks, SHAP, Computer Vision

Tools & Technologies: Git, GitHub, VS Code, REST APIs, JWT, Socket.io, Chart.js, Recharts, Figma, Supabase

PROJECTS

INTELLEX — Real-Time AI Analytics Platform

Tech Stack: Next.js, FastAPI, Python, Machine Learning, SHAP

- Developed an AI-powered analytics platform combining a modern web interface with a Python-based backend.
- Integrated Random Forest, XGBoost, and Neural Networks for predictive analytics.
- Implemented SHAP-based explainability to make machine learning predictions more interpretable.
- Designed an API-driven architecture connecting machine learning services with the frontend.

HabitFlow — Habit & Task Management Application

Tech Stack: Flutter, Local Storage, Data Visualization

- Developed a cross-platform productivity application combining task management, habit tracking, streaks, achievements, history, and analytics.
- Implemented configurable habit schedules with frequency, difficulty, duration, and target settings.
- Designed productivity dashboards using charts and calendar-based activity visualization.
- Built persistent local data management with a user-focused mobile experience.

CivicConnect — Smart City & Emergency Support Platform

Tech Stack: React.js, Node.js, Express.js, MySQL

- Designed a role-based platform connecting citizens, service providers, and government authorities.
- Developed workflows for civic complaint reporting, local service discovery, emergency assistance, and issue tracking.
- Designed authentication, service-provider verification, booking, review, and communication workflows.
- Incorporated location-aware emergency support and role-specific dashboards.

INTERNSHIP

MERN Stack Intern — Maticz Technology *15 Days*

- Gained practical experience in MERN stack application development and modern web development workflows.
- Worked with frontend, backend, database, and API development concepts in a professional environment.

CERTIFICATIONS

- IIT Madras — Workshop / Certification
- NIT Trichy — Workshop / Certification
- Human-Computer Interaction (HCI) — NPTEL

AREAS OF INTEREST

Full-Stack Development • Backend Engineering • Web Applications • AI/ML Integration • Software Development

LANGUAGES

English • Tamil