Sathyaseelan K

📍 Karur, Tamil Nadu ✉ ksathyaseelan34@gmail.com 📞 +91 97904 19564 ⊙ sathyaseelan2006 in
linkedin.com/in/sathyaseelan-dev

Summary

Undergraduate B.Tech Information Technology student passionate about building real-world, scalable platforms using backend systems, databases, and AI/ML. Experienced in Flask-based APIs, cloud-integrated applications, and data-driven solutions, with a strong interest in intelligent systems and platform engineering.

Education

B.Tech in Information Technology *Aug 2023 – Present*
M. Kumarasamy College of Engineering, Karur
CGPA: 7.9 (Current)

Higher Secondary Certificate (HSC) *Jun 2022 – Jun 2023*
Chelammal Vidhyaashram, Trichy
Grade: 86%

Skills

- **Languages:** Java, Python, SQL
- **Backend Development:** Flask, REST APIs
- **Databases:** MySQL, MongoDB
- **Cloud & Tools:** Git, Google Cloud, XAMPP, VS Code
- **AI/ML:** Computer Vision, DeepFace, Data Analytics
- **Soft Skills:** Time management, Self-directed learning, Communication, Adaptability

Projects

LUDO AI Assistant – Personal Assistant ⊙ Code *Dec 2025 – Jan 2026*
- Built a personal AI assistant to support decision-making and task-level assistance using rule-based logic and contextual input handling.
- Designed the system with modular components, enabling future expansion into app-based interfaces or automation workflows.

Megam – AI-Powered Global Air Quality Monitoring Platform ⊙ Code ↗ Live *Nov 2025 – Dec 2025*
- Designed and developed a large-scale global air quality monitoring platform integrating data from IQAir, OpenAQ, WAQI, NASA satellite datasets, and weather APIs.
- Implemented machine learning–based pollution forecasting with interactive, global-scale data visualization for real-time insights.

MotorMony – AI-Based Car Recommendation System ⊙ Code ↗ Live *Apr 2025*
- Built an intelligent car recommendation system based on user preferences, budget, and feature constraints.
- Applied similarity-based ranking and machine learning techniques to enhance recommendation relevance and decision accuracy.

Re:Vive – AI, NLP, and AR Cultural Discovery Platform ⊙ Code ↗ Live *Jun 2025 – Dec 2025*
- Developed an AI-driven cultural discovery platform with mobile-friendly UI and API-based architecture suitable for app integration.
- Implemented Flask-based backend services integrated with cloud APIs and multilingual cultural datasets.

Achievements

- Presented a research paper titled *"Re:Vive: An Intelligent Interactive Platform for Cultural Discovery through AI, NLP, and AR"* at the **IEEE 5th International Conference on Communication, Computing and Electronics Systems (ICCCES 2026)**, PPG Institute of Technology, Coimbatore, India.

Certifications

- **Oracle Certified – Data Science Professional** (2025)
- **Oracle Cloud Database Services** (2025)
- **NPTEL – Industry 4.0 and Industrial IoT** (2024)
- **NPTEL – Introduction to Internet of Things** (2024)

Areas of Interest

Artificial Intelligence and Machine Learning, Data Science, Database Management Systems, Computer Networking