

Summary

Penultimate-year B.Tech Information Technology student with strong fundamentals in Data Structures and Algorithms and clean coding practices. Experienced in building real-world, cloud-native applications, with keen interests in Artificial Intelligence, Machine Learning, and Data Science.

Education

B.Tech in Information Technology M. Kumarasamy College of Engineering, Karur <i>CGPA: 7.9 (Current)</i>	<i>Aug 2023 – Present</i>
Higher Secondary Certificate (HSC) Chelammal Vidhyaashram, Trichy <i>Grade: 86%</i>	<i>Jun 2022 – Jun 2023</i>

Skills

- **Languages:** Python, Java, SQL, C
- **Frameworks & Libraries:** Flask, NumPy, Pandas, Matplotlib, Scikit-learn
- **AI/ML:** Computer Vision, DeepFace, Data Analytics
- **Databases:** MySQL, MongoDB
- **Cloud & Tools:** MongoDB Atlas, MongoDB Compass, Google Cloud, Git, XAMPP, VS Code
- **APIs & Integrations:** REST APIs, Google Cloud APIs

Projects

Megam – AI-Powered Global Air Quality Monitoring Platform  	<i>Nov 2025 – Present</i>
○ Designed and developed a large-scale global air quality monitoring platform integrating data from multiple authoritative sources including 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  	<i>Apr 2025</i>
○ 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 	<i>Jun 2025 – Present</i>
○ Developed an AI-driven cultural discovery platform combining immersive storytelling, NLP-based content generation, and augmented reality experiences.	
○ Implemented Flask-based backend services integrated with cloud APIs and multilingual cultural datasets.	
AI Smart Attendance System (Face Recognition)  	<i>Mar 2025 – Apr 2025</i>
○ Developed a hybrid face recognition-based attendance system using DeepFace, Flask, and MySQL.	
○ Integrated Google Cloud Vision API to improve facial detection robustness and verification accuracy.	

Certifications

- Oracle Certified – Data Science Professional (2025)
- Oracle Cloud Database Services (2025)
- Google Cloud Skill Boost – Foundations of Cloud (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