Lakshiita Kalyanasundaram

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Education	**SRM Institute of Sciences and Technology**	**Expected Graduation , June 2026**
	CSE AIML	Engineering
	8.0	
	🔗 https://www.srmist.edu.in/	

Experience	**ATSUYA TECHNOLOGIES**	**June2024-July2024**
	Embedded Engineer Intern	Chennai, India
	🔗 https://atsuyatech.com/	

- Worked on Digital Lock and Key using encryption and decryption .
- Led the entire firmware side of the project by myself .

Projects	**Digital Lock and Key**	**June 2024-July 2024**
	Embedded Engineering , ATSUYA TECHNOLOGIES	

- Developed a secure digital lock system using STSAFE A110 and ESP32.
- Enhanced security and control over digital lock access management.
- Improved encryption and optimized key management for data integrity.
- Implemented encryption, subscription-based keys, and Arduino IDE integration.
- Ensured secure, controlled digital lock access with robust data protection.

Custom Pet Feeder	**January 2024- May 2024**
AIIOT , SRM KTR	

- Developed an IoT-based automatic pet feeder with real-time monitoring and adaptive feeding.
- Revolutionized livestock management with precise data collection and real-time monitoring.
- Enhanced livestock health and sustainability through an efficient feeding system.
- Engineered the feeder using machine learning to adjust feeding patterns based on data analysis.
- Improved livestock health management, promoting sustainable farming and optimal pet nutrition.

Comment Toxicity Detection	**December 2024**
Machine Learning	

- Developed AI system for toxic comment detection and classification.
- Integrated Meta-Llama model for precise toxicity analysis and feedback.
- Built interactive Streamlit app for user-friendly comment analysis.
- Utilized FAISS for efficient text embedding and similarity search.
- Automated real-time toxicity detection using advanced NLP techniques.

Skills	**Development :**
	Machine Learning, Deep Learning, Generative AI, Large Language Models and IOT
	Programming :
	C, Python and C++
	Database :
	PostgreSQL
	Soft Skills
	Communication Skills,Leadership ,Teamwork and Collaboration,Problem-Solving,Adaptability and Flexibility,Critical Thinking,Initiative and Proactiveness

Certifications	**Machine Learning**	**November 2024**
	NPTEL	
	🔗 https://www.imprzd.com/bi/NPTEL231350.html	

Introduction to Industry 4.0 and Industrial Internet of Things	**May 2024**
NPTEL	
🔗 https://archive.nptel.ac.in/content/noc/NOC24/SEM1/Ecertificates/106/noc24-cs34/Course/NPTEL24CS34S65880049630545407.pdf	

Database Management	**May 2024**
NPTEL	
🔗 https://archive.nptel.ac.in/content/noc/NOC24/SEM1/Ecertificates/106/noc24-cs21/Course/NPTEL24CS21S65410039530097418.pdf	

Machine Learning Foundations	**February 2024**
AWS Academy	
🔗 https://www.credly.com/badges/f5d436be-bf93-47db-b7c6-70570714694e/public_url	

Volunteering	**TENDER CARE HOME (FOR SENIOR CITIZEN)**	**May 2024 - June 2024**
	Volunteer	Ambattur , Chennai

Volunteered at "Tender Care" for one month, assisting elderly individuals with meals, activities, and companionship. Gained valuable experience in elder care, emphasizing compassion, patience, and empathy. Provided support to seniors facing health and emotional challenges, enhancing their well-being. Learned about societal issues like isolation and lack of emotional support among the elderly. Actively engaged with residents and staff, understanding the complexities of elder care. Developed a deeper sense of social responsibility and the importance of community involvement.