



A AKHIL

Student ~ ML Enthusiast

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SUMMARY

I am a skilled and motivated computer scientist with a passion for machine learning. I have designed, developed, and successfully implemented a number of projects using these technologies, and I am eager to contribute my skills and knowledge in a professional work environment.

SKILLS

Languages: C, C++, Python, Java, HTML, JavaScript.

Technologies: Nvidia Jetson Nano, Linux, AWS, Docker .

PROJECTS

Technology	Advanced Traffic Sign Detection: Real-Time Small Object Recognition for Safer Roads To be published soon This research paper introduces a novel methodology for small object detection, specifically targeting traffic signs. Through the utilization of advanced techniques and extensive experimentation, the study contributes substantial enhancements to real-world traffic sign recognition, ultimately leading to improved safety and performance in practical applications. The findings and methods detailed in this research have the potential to significantly impact the field of computer vision and intelligent transportation systems.
Technology	Comparative Study Of Various Regression Models To be published soon Researched and compared Ridge, Lasso, and ElasticNet regression techniques in Java. Highlighted their unique applications: Ridge for multicollinearity mitigation, Lasso for feature selection, and ElasticNet as a versatile compromise. Valuable resource for Java-based data science and machine learning practitioners, contributing to the field's knowledge.
Technology	Real-time parking detection using Computer vision Developed real-time parking detection system using computer vision technology. This project involved creating an automated solution for identifying and monitoring available parking spaces in real time. By leveraging computer vision algorithms, the system could analyze video feeds and provide information on open parking spots, aiding in efficient parking management.
Technology	AI-Generated Text Detection System Designed and implemented an AI-Generated Text Detection System to distinguish between human-written and AI-generated content. Utilized machine learning models and natural language processing techniques to evaluate text authenticity and identify content generated by AI algorithms. This system helps ensure the quality and authenticity of textual information in various applications, such as content moderation and fraud detection."
Technology	Chat App Designed and implemented a chat app with real-time messaging capabilities. Developed features for text and multimedia messaging, user authentication, and a user-friendly interface. The app enables seamless communication between users and provides a secure and responsive platform for real-time conversations."

EDUCATION

2022 - Present	SRM Institute of Science and Technology Current CGPA 8.77/10 (To be Completed May 2026)	College
2021 - 2022	Sacred Heart International School ISC Class XII (Maths Biology): Passed with 89%	School
2019 - 2020	Sacred Heart International School ICSE Class X: Passed with 87%	School

LANGUAGES

English, Tamil - native, Malayalam, German .