

LOKESH JAYANTH S

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EDUCATION

Coimbatore Institute of Technology, Coimbatore, M.Sc. Data Science (5-year Integrated) <ul style="list-style-type: none">CGPA: 7.15 (up to 5th Semester)	2023 – Present
CK School Of Practical Knowledge, Cuddalore, Higher Secondary Certificate <ul style="list-style-type: none">Percentage: 75%	2022 – 2023

SKILLS

Programming & Frameworks Python, Flask, Bootstrap	Libraries Numpy, Pandas, Scikit-learn	Databases MySQL, MongoDB
Tools & Platforms Git, Power BI, MS Excel	Area of Interest Machine Learning, Data Analysis & Visualization, Artificial Intelligence	Other Technical Skills Web Development, Dashboard Designing

PROJECTS

EyeGuardian AI – Enabled Emergency Detection and Assistance System  Tools– Python, Flask, YOLOv8n, OpenCV, Firebase, Audio Processing, Telegram Bot API, Geolocation API <ul style="list-style-type: none">Built a real-time detection system that analyzes live video and audio streams to identify fire, smoke, and emergency sounds using a fine-tuned YOLOv8n model and audio feature extraction.Designed a dual-server setup where a Flask app manages the UI while a dedicated detection API handles frame processing and computes an emergency score based on fire/smoke, people count, and nearby vehicles.Integrated automatic alerting through email/Telegram with instant location sharing, notifying nearby police, hospitals, or emergency contacts, and logged all incidents to Firebase for easy tracking and history.
GlowGuard– AI-Based Skincare Analysis & Recommendation System  Tools & Technologies – Python, Streamlit, Machine Learning, FastAPI, OpenCV, API Integration <ul style="list-style-type: none">Developed a skincare analysis that processes uploaded selfies to identify skin type and visible skin characteristics using basic computer-vision techniques.Combined these image insights with real-time environmental data—UV index, humidity, air quality—and lifestyle inputs to build a more complete skin health profile.Developed a responsive multi-screen interface enabling users to upload images, provide details, view results, and revisit their historical evaluations.
Tri-Biometrix– Intelligent Multimodal Biometric Security System  Tools & Technologies – Python, Flask, TensorFlow/Keras, OpenCV, MediaPipe, MFCC, CNN, Streamlit <ul style="list-style-type: none">Integrated three biometric inputs — face embeddings, voice features, and gesture landmarks — to create a stronger and more reliable authentication process.Designed a sequential verification pipeline where each biometric is validated independently, reducing false matches and improving overall security.Built a web interface that collects data, triggers the model checks, and provides real-time authentication feedback. make this in two point

CERTIFICATE

- Certificate of Merit – CIT Spark Grant 2025 Finalist, Coimbatore Institute of Technology, 2025
- Python & Django Framework + HTML5 Stack Complete Course – Udemy, issued June 2025
- Certificate of Merit – KRISHNECS 2K24, Vishwa Focus (1st Place), Sri Krishna College of Engineering and Technology
- Certificate For AXIOS 2024, PSG College of Technology, Department of Applied Mathematics and Computational Sciences
- Certificate of Completion for Fundamental AI Concepts, Microsoft, issued August 8, 2024

LEADERSHIP & MANAGEMENT ROLES

Photo Club, Executive Director <ul style="list-style-type: none">Directed strategic planning, operational oversight, and event coordination, resulting in a 30% increase in member engagement and the successful execution of more than 10 events	2025 – Present
Rotaract Club of CIT, Event Management <ul style="list-style-type: none">Coordinated and executed events with effective planning and teamwork.	2024 – 2025