

LATHASHREE

CONTACT

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SKILLS

Languages

Python HTML CSS
JavaScript SQL

Frameworks/Tools

TensorFlow Keras Flask
OpenCV NLTK Bootstrap
YOLOV5 Tkinter MySQL
XAMPP

Developer Tools

Google Colab VS Code
PyCharm MySQL Workbench
XAMPP Git

Libraries

Matplotlib Seaborn
EasyOCR SpeechRecognition

LANGUAGES

CAREER OBJECTIVE

Computer Science graduate with a strong interest in Machine Learning, Deep Learning, and Natural Language Processing, eager to apply analytical and modeling skills to extract insights from data. Looking for opportunities to contribute to data-driven projects while continuing to learn and grow in the field of AI and predictive analytics.

INTERNSHIPS

Data Science Intern, LPoint

Mangalore | Oct 2024 - Jul 2025

- Developed and deployed ML models for face recognition, emotion detection, and spam classification using Python, TensorFlow, and OpenCV.
- Built real-time video/image detection systems for PPE detection, traffic congestion, and license plate extraction.
- Developed full-stack web apps using Flask, SQLite, and Bootstrap with real-time prediction UI.
- Constructed multi-modal spam detection systems for text, image, audio, and email spam.
- Built dashboards with Matplotlib and Seaborn for real-time data visualization and sentiment analysis.
- Used Git for version control, API integration, and deployment pipelines.

English

Hindi

Konkani

Kannada

Tulu

INTERESTS

Reading

Writing

Graphic Design

PROJECTS

SpamShield Technologies

Development Tools: Flask, TensorFlow, NLTK, Bootstrap

- Multi-modal spam detection app (text, image, audio, CSV) achieving 98.6% accuracy.
- Built a real-time dashboard with prediction logs and visual metrics.

Construction Site PPE Detection System

Development Tools: YOLOV5, OpenCV

- Real-time video detection of safety equipment on workers, achieving 90% compliance accuracy.

Facial Recognition Attendance System

Development Tools: OpenCV, Tkinter

- Automated attendance logging system with face detection for 20 users using SQLite.

Traffic Congestion Detection

Development Tools: OpenCV, Python

- Estimated traffic density from CCTV frames for early congestion alerts.

Blood Bank Management System

Development Tools: PHP, MySQL, XAMPP

- CRUD-based web application to manage donor, recipient, and stock data.

AI-Based Interactive Interview System

Development Tools: Python, OpenCV, SpeechRecognition

- Voice and facial-response based real-time QA simulation system.

Water Quality Analysis

Development Tools: Google Colab, Python

- Performed EDA and impurity classification on 50 features from water quality datasets.

EDUCATION

Master of Computer Applications

St Joseph Engineering College, Mangalore
2025 | 8.22 CGPA

Bachelor of Computer Applications

Alva's College, Moodbidri
2025 | 8.34 CGPA

Pre University College

Jain PU College, Moodbidri
2020 | 88.63%

SSLC

Jain High School, Moodbidri
2018 | 83.33%

CERTIFICATIONS

- Data Science Foundation
- Functions in Python
- Visual Graphics in C
- Machine Learning with Python
- React Native
- AI with Python - Deep Neural Networks
- AWS Cloud Training Workshop