# KAUSHIK A GANDHI

AI/ML Enthusiast

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## PROFESSIONAL OVERVIEW

As an AI/ML enthusiast, I am a self-motivated individual with expertise in deep learning along with its subdivisions, natural language processing, computer vision, and sentiment analysis. My previous work involves developing systems for real time emotion detection, chatbot application development and intelligent model deployment using Python, TensorFlow, and Streamlit. I believe in the power of technology to address tangible problems of society, especially in the areas of mental health, music technology, and social responsibility in artificial intelligence.

## WORK EXPERIENCE/PROJECTS

**Emotion-Based Music Recommender**                                  March 2025 - April 2025
- Developed an AI model integrating CNN and MediaPipe for emotion recognition and music suggestion.
- Built a deep learning pipeline with webcam input using OpenCV, achieving 80% classification accuracy.
- Recommended music using content-based filtering, enhancing user mood alignment.

**Depression Detection using Text and Emoji from Social Media**          October 2024 - Present
- Designed a multimodal deep learning model with TF-IDF and emoji sentiment analysis for mental health classification.
- Applied LSTM for real-time depression risk classification with a Streamlit dashboard for deployment.
- Achieved robust trend visualizations and improved detection accuracy through emoji-text fusion.

**Sports Facility Management System**                                      Aug 2024 - Oct 2024
- Built a centralized system to manage memberships, scheduling, and coaching for sports facilities.
- Created real-time dashboards for admins and members, improving scheduling efficiency.
- Eliminated paper-based processes with digital tracking and payment integration.

## CERTIFICATIONS

- AI & ML and Data Science Foundations – Udemy – Apr 2025
- Analyzing and Visualizing Data with Microsoft Power BI – Office Master – Apr 2025
- Email Marketing Professional Certificate – Intuit Mailchimp – Apr 2025
- NLP with Python for Machine Learning Essential Training – LinkedIn – Apr 2025

## SKILLS

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|---|---|---|---|
| Communication | Deep Learning | Python | Sentiment Analysis |
| Team Management | Email Marketing | TensorFlow | |
| Problem-solving | NLP | Data Analysis | |

## EDUCATION

CHRIST University | Bangalore, India | Master of Science (AI & ML)          June 2024 – 2026
SRM Institute of Science and Technology | Chennai, India | Bachelor of Computer Applications     March 2021 - 2024