THIYANESH D

+91 73393 07077 || thiyanesh7777@gmail.com
https://thiyanesh07.netlify.app

SUMMARY

Second-year B.Tech student in Artificial Intelligence and Data Science with hands-on experience in computer vision and AI-based application development. Contributed to frontend design and facial recognition model development for an AI-powered attendance system. Actively learning machine learning, deep learning, and applied AI concepts through projects and hackathons.

EDUCATION

B.Tech – Artificial Intelligence and Data Science

Present

Bannari Amman Institute of Technology
2024 - 2028
CGPA - 7.86 / 10

TECHNICAL SKILLS

Artificial Intelligence & Machine Learning:
- Machine Learning (Basics)
- Deep Learning (Fundamentals)
- Computer Vision (Face detection & recognition)
- Generative AI (Introductory)
- Large Language Models
- Retrieval-Augmented Generation
- Data Science

Programming & Tools:
- Python
- C
- Data Structures & Algorithms (Basics)
- Git & GitHub

PROJECTS

AI-Powered Face Recognition Attendance System

Role: Frontend & Model Development Contributor

- Worked on facial recognition model integration and testing.
- Achieved >99% attendance recording accuracy with duplicate prevention using a 5-minute cooldown mechanism
- Implemented cross-camera face tracking with persistent tracker IDs and automatic expiry after inactivity
- Designed secure authentication using Google OAuth 2.0 with role-based access control
- Achieved real-time face recognition with end-to-end latency of ~50–100 ms under optimal conditions
- Collaborated with team members for system integration and testing

Github Repo link : https://github.com/Thiyanesh07/Attendance_System

CNN-Based Butterfly Species Classification

- Built a deep learning system to classify 75 butterfly species using CNN
- Developed image preprocessing and normalization pipeline
- Integrated trained model with a Flask-based web interface for real-time prediction

ANN-Based Breast Cancer Classification

- Implemented an Artificial Neural Network for breast cancer classification
- Performed data preprocessing, feature selection, and class balancing using SMOTE
- Evaluated model performance using standard machine learning metrics

Mobile Phone Addiction Prediction using MLflow

- Developed a machine learning pipeline to predict phone addiction levels in teenagers
- Performed exploratory data analysis and feature engineering
- Used MLflow for experiment tracking, model versioning, and lifecycle management
- Built a Flask-based interface for model inference

HACKATHON EXPERIENCE

Generative AI Hackathon – KPR Institute of Engineering and Technology

Project: Farmer Assistant AI | Role: Model development and API integration

- Built a Generative AI–based assistant to support farmers with crop-related queries
- Contributed to model selection, prompt design, and basic model training
- Worked under strict time constraints, improving time management
- Collaborated effectively with team members

Github Repo link : https://github.com/Thiyanesh07/Gen_AI_Cicada-25

AREAS OF INTEREST

- Computer Vision
- Applied Artificial Intelligence
- AI Model Development

CERTIFICATIONS AND BADGES

Machine Learning Foundations – Amazon Web Services (AWS)

- Completed foundational concepts in machine learning and model lifecycle

Certification link : https://www.credly.com/earner/earned/badge/bb4d90d7-3152-4e71-9e45-e7e7fa2dcf93

Introduction to Generative AI – Amazon Web Services (AWS)

- Gained understanding of generative AI concepts, use cases, and applications

Certification link : https://www.credly.com/earner/earned/badge/8d8b514d-3fe9-4ba0-99a3-0a1f2f47322c

---

DECLARATION

I hereby declare that the information provided above is true and accurate to the best of my knowledge.