Adith Jose

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EDUCATION

VIT Bhopal University, India   Aug 2022 – May 2026
B.Tech in Computer Science (Artificial Intelligence & Machine Learning)   CGPA: **8.77/10**

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, SQL   **Machine Learning:** Logistic Regression, Random Forest, SVM
NLP: TF-IDF, Text Vectorization, Cosine Similarity, N-grams **Computer Vision:** OpenCV, LBPH Face Recognition
Libraries: Scikit-learn, NumPy, Pandas, Matplotlib   **Databases:** MySQL
Tools: Git, GitHub, VS Code, Jupyter Notebook, Streamlit   **Core CS:** Data Structures, OOP, Operating Systems, DBMS

PROJECTS

PulseAI – Heart Disease Risk Prediction Platform   May 2024

- Designed and implemented a supervised machine learning pipeline to predict heart disease using structured clinical data, achieving **88% accuracy**.

- Executed comprehensive data preprocessing including missing value imputation, outlier detection, feature scaling, and categorical encoding.

- Evaluated Logistic Regression, Random Forest, and SVM models using **ROC-AUC, F1-score, and cross-validation** to select the optimal classifier.

- **Live:** https://heartdiseasepredictoion.streamlit.app/   **GitHub:** https://github.com/newuserAJ/HeartDisease.git

CineSense – NLP-Based Movie Recommendation System   Oct 2025

- Developed a content-based movie recommendation system using **Naive Bayes**, **TF-IDF**, and **cosine similarity**, achieving **97% sentiment classification accuracy**.

- Built NLP pipelines including tokenization, stop-word removal, n-gram feature extraction, and text normalization to enhance model robustness.

- Integrated the **TMDB REST API** to dynamically fetch movie metadata, posters, ratings, and cast information.

- **Live:** https://cinesense-movie-recommendor.onrender.com/   **GitHub:** https://github.com/newuserAJ/CineSense-Movie-Recommendor.git

FacePulse – Automated Facial Recognition Attendance System   Jul 2025

- Built a real-time facial recognition attendance system using **OpenCV and LBPH algorithm**, achieving **93% recognition accuracy**.

- Designed a modular **object-oriented architecture** with a secure Tkinter-based GUI.

- Automated attendance logging using **Pandas and CSV pipelines** with timestamping and fault tolerance.

CERTIFICATIONS

- Applied Machine Learning – University of Michigan (Coursera)

- Oracle Cloud Infrastructure (OCI) – Data Science Professional

ACHIEVEMENTS & ACTIVITIES

- Solved **200+ Data Structures and Algorithms** problems on LeetCode and GeeksforGeeks.

- Achieved **4-star rating** in Python and Java on HackerRank.

- Led a technical event for TechnoMech Club during University Fest (Advitya).