F Sahfeerul Wasihf

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Professional Summary

B.Tech IT graduate with 8.08 CGPA and strong expertise in Python, Machine Learning, and Deep Learning using PyTorch and TensorFlow. Developed high-accuracy character screen time detection system using FaceNet and RetinaFace. Proficient in writing 1000+ lines of PyTorch code for real-time computer vision and clustering models. Former IEEE CIS Club Technical Lead managing 4-member teams. Known for strong analytical and leadership skills with hands-on experience in AI-driven applications.

Technical Skills

- Programming Languages: Python, Java
- AI/ML Libraries: PyTorch, TensorFlow, Keras, Scikit-learn
- Data & Math: NumPy, Pandas, Matplotlib, Seaborn
- Computer Vision: FaceNet, RetinaFace, OpenCV
- Databases: MySQL

Soft Skills

- Leadership: Led IEEE CIS Club technical projects.
- Problem-Solving
- Teamwork
- Communication : English, Tamil, Telugu
- Adaptability

AI Coding Contributions

Open Source Code Contributions
- PyTorch-based character clustering repo — GitHub
- AI utility modules for face embedding comparison and clustering

Projects

AI & ML - Character Screen Time Calculator ⬤ GitHub
- Developed a video character recognition system using RetinaFace and FaceNet, achieving 95% recognition accuracy.
- Implemented custom PyTorch pipelines for face embeddings, clustering with DBSCAN, and real-time screen time analysis.
- Wrote 1000+ lines of PyTorch code for face detection, recognition, and evaluation.
- Created reusable components for feature extraction and similarity scoring, reducing redundant code by 40%.

Data Analysis - Netflix EDA Capstone Project ⬤ GitHub
- Analyzed 7.8k+ Netflix titles using Pandas & Matplotlib
- Identified dominant genres, content age patterns, and monthly content trends.
- Created polished GitHub report with interactive visualizations

Experience

Atal Community Innovation Centre - Kalasalingam Innovation Foundation — May 2024
Internship in Mobile App Development Using React Native
- Developed a React Native mobile app with integrated NFC functionality, improving data transfer efficiency by 20%.
- Conducted cross-device testing to ensure 95% compatibility and responsiveness.

Certifications

- BEC Certificate (Business English Certificate): Certified for proficient business communication skills. Cambridge English Language Assessment - 2023
- Machine Learning Specialization on Coursera - 2024
- Python and SQL for Data Science on Scaler - 2024
- EDA and Data Visualization in Data Science - 2024
- Career Essentials in Generative AI by Microsoft and LinkedIn - 2024

Education

Kalasalingam Academy Of Research And Education
B-Tech in Information Technology - Graduated 2025
CGPA: 8.02

Zahira College Kalmunai
Ordinary Level - 2016
Advanced Level - 2019

Achievements

- Solved 250+ LeetCode problems, ranking consistently in the top 7% of performers
- 2nd Rank in District-Level Math Olympiad (8th Grade)