Senin Ashraf

Artificial Intelligence and Data Science Student

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GitHub — LinkedIn

Profile

Motivated 4th-year Artificial Intelligence and Data Science student with a strong interest in Machine Learning and Artificial Intelligence. Skilled in analytical thinking and problem-solving, with hands-on experience in real-world AI projects. Adept at teamwork, combining technical proficiency with creativity to deliver effective solutions.

Projects

1. Automated Attendance System

- Developed an AI-based attendance system using OpenCV and YOLO for face, ID card, and uniform detection.
- Integrated Telegram API for real-time attendance notifications to parents.
- Ensured accurate and efficient automated attendance monitoring.

2. GUIDO-Ai Powered Career Guidance Software

- Built an AI-based career guidance voice agent for personalized career recommendations.
- Implemented AI-driven interview analysis with real-time feedback on responses and posture.

3. Smart Traffic Monitoring System (Hackathon Project)

- Developed a real-time traffic incident reporting system with live map visualization.
- Enabled users to report accidents, potholes, and emergency vehicle movement.
- Focused on scalable frontend-first architecture for public use.

4. Online Meeting & YouTube Transcript Analysis

- Built an AI-based system to analyze online meetings and YouTube video transcripts using Agora.
- Automatically summarized discussions and extracted key insights without requiring physical presence.

5. Exam Planner

- Developed an HTML-based web application featuring calendars, notes, and exam countdown timers.
- Improved student time management and study planning.

6. FaceSnap – Find My Face

- Built an event photo retrieval system using face verification and QR codes.
- Implemented face clustering with unique hash keys for efficient photo grouping.
- Faced performance and accuracy constraints due to limited hardware.

Skills

Machine Learning: TensorFlow, Scikit-learn
Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn
Deep Learning: CNN, RNN, OpenCV, MediaPipe, NLP
Backend Technologies: Python (Flask), Firebase (BaaS)
Frontend Technologies: HTML, CSS, JavaScript, React.js, Tailwind CSS
Programming Languages: Python, C, Java
Tools & Platforms: VS Code, Google Colab, SQL, Git, Kaggle

Education

Bachelor of Technology in Artificial Intelligence and Data Science
APJ Abdul Kalam Technological University
MES College of Engineering, Kuttippuram
2022 – Present

Achievements

- **Hackathon – KOTEC H Tech Fest (25/07/2025):** Secured 3rd Prize in a hackathon organized by Qismat Foundation in collaboration with Kottakkal Municipality (LinkedIn Post).
- **Hackathon – MATRIX, CSE Department, MESCE:** Secured 2nd Prize in a 30-hour hackathon conducted by MATRIX, CSE Department, MES College of Engineering (LinkedIn Post).

Certifications

- NPTEL: Python for Data Science

- Python OpenCV

- NLP – Natural Language Processing

- IBM Apache Pig 101

Programs

ADTEC – Vibe Coding Program
Conducted an AI Vibe Coding Workshop for department juniors, focusing on AI-based coding tools, effective prompting, and real-world advantages and limitations of vibe coding (LinkedIn Post).

Publications

- Senin Ashraf *et al.*, *Automated Attendance System*, International Conference on Smart Technologies (ICST), ISBN: 978-93-343-0309-4.

Languages

English, Malayalam