KHOGULA KANNAN K

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○ khogula2004 🌐 khogula-kannan.vercel.app Certifications

PROFESSIONAL SUMMARY

Detail-oriented and motivated B.Tech student in CSE (AIML) with hands-on experience in Computer Vision, and Deep Learning. Developed real-time gesture recognition and facial authentication systems using Python, OpenCV, and Mediapipe. Passionate about building ethical, scalable AI solutions with a focus on visual experiences and personalization.

EXPERIENCE

AI/ML Intern
Shadowfox

📅 September 2024   ● Remote

- Created and deployed AI-driven solutions using advanced machine learning algorithms, improving system performance and model functionality by 25%.
- Conducted comprehensive data preprocessing, feature extraction, and transformation using Python, enabling cleaner data pipelines and reducing model training time by 25%.

PROJECTS

Airshare - File Transfer Using Hand Gesture

- Built a real-time computer vision system enabling gesture-based wireless file transfer between laptops using hand detection and motion tracking, removing the need for physical input devices.
- Achieved 92% gesture recognition accuracy by fine-tuning hand landmark detection algorithms and implementing velocity-based motion analysis.

Kansel - An AI Proctoring

- Designed and deployed a comprehensive AI-based proctoring application to monitor and secure online examinations, enhancing exam integrity by 95%.
- Achieved 98% facial recognition accuracy for real-time verification of candidate identity before the start of the exam.
- Detected gaze deviations and suspicious behavior with 93% accuracy, reducing manual monitoring needs by 60%.

EXTRACURRICULAR & INTERESTS

- Performed Keyboard Music at intercollege events.
- Hobbyist in system design, scalable architectures, and financial markets
- Languages Known: English, Tamil, Hindi

SKILLS

Program : Python, SQL, HTML, CSS

ML Frameworks & Tool : OpenCV, NumPy, Pandas, Scikit-learn, Mediapipe, NLP

Concepts : Machine Learning, Deep Learning, DBMS

Operating Systems : Windows, macOS, Android, iOS

Cloud & Others: : AWS

CERTIFICATION

🏆 **AI Specialist**
Salesforce

🏆 **Amazon Cloud Practitioner**
AWS

ACHIEVEMENTS

Published research in AI-based healthcare systems

Achieved 5-star proficiency in Python on HackerRank

EDUCATION

Class X
Campion Anglo Indian Hr sec School
📅 June 2018 – May 2019
CGPA:-79.8%

Class XII
Campion Anglo Indian Hr sec School
📅 June 2020 – June 2021
CGPA:-81.5%

B-Tech Computer Science(AIML)
Vellore Institute of Technology Bhopal
📅 Sept 2021 – May 2025
CGPA:-8.23%