

KHOGULA KANNAN K

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Certifications
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PROFESSIONAL SUMMARY

Detail-oriented and motivated B.Tech student in CSE (AIML) with strong foundation in Machine Learning, Computer Vision, and Deep Learning. Proven success in developing real-time gesture recognition and facial authentication systems using Python, OpenCV, and Mediapipe. Published researcher in AI for health-care. Passionate about user privacy, accessibility, and creating AI solutions that are impactful, ethical, and scalable. Proficient in Python, Scikit-learn, and cloud fundamentals (AWS).

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, Tableau, LSTM, NLP, Langchain ,TensorFlow (Basic), PyTorch (Basic)

Concepts : Machine Learning, Deep Learning, CNNs, NLP, Object-Oriented Programming, DBMS

Operating Systems : Windows, macOS, Android, iOS

Cloud & Others: : AWS

CERTIFICATION



AI Specialist
Salesforce



Amazon Cloud Practitioner
AWS

ACHIEVEMENTS

Published research in AI-based health-care 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 – Ongoing

CGPA:-8.23%