AKSHITH INAVOLU

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SUMMARY

- Software Developer skilled in Java, Python, Data Structures, and OOP principles.
- Built real-time applications with clean and optimized code, following modular design patterns.
- Strong problem-solving ability and experience working with backend logic, APIs, and debugging.

SKILLS

- Programming Languages: Python, Java, C
- Web Development: HTML5, CSS3, JavaScript, Bootstrap, React.js
- Machine Learning & Computer Vision: TensorFlow, OpenCV, NumPy, Pandas
- Database: MySQL
- Tools & Platforms: Git, GitHub, VS Code, Jupyter Notebook, Google Colab

PROJECTS

FocusFace – Real-time Webcam Based Attention Tracking System
- Built a real-time attention monitoring system for online learning environments.
- Implemented facial landmark detection, EAR/MAR, head pose estimation, and gaze tracking for engagement analysis.
- Used Python, OpenCV, Mediapipe, TensorFlow/Keras, and MobileNetV2.
- Achieved stable tracking accuracy and generated multi-modal attention scores.

Traffic Sign Recognition System (Computer Vision Project)
- Developed a real-time traffic sign recognition system to assist autonomous driving and road safety.
- Trained a CNN-based classification model using image preprocessing and augmentation techniques.
- Used Python, TensorFlow/Keras, and OpenCV for sign detection and classification.
- Implemented real-time detection to classify multiple traffic sign categories from camera feed.

EXPERIENCE

Frontend Web Developer Intern – Embrizon Technologies   *March 2024 – May2024*
- Developed responsive web pages for "TechVolution 2024" using HTML, CSS, JS and Bootstrap.
- Designed and structured UI sections like Home, About, Events, Gallery and Registration pages.
- Implemented carousel sliders and interactive UI components to improve user engagement.
- Ensured mobile responsiveness and cross-browser compatibility with optimized CSS and grid layouts.

EDUCATION

- Bachelor of Technology (Information Technology), Sphoorthy Engineering College, Hyderabad | 2022 – 2026
  CGPA: 7.99/10
- Intermediate (MPC), Narayana Junior College, Hyderabad | 2020 – 2022
  Percentage: 91.5%
- Secondary School (10th), Narayana School, Hyderabad | 2017 – 2020
  GPA: 9.8/10

CERTIFICATIONS

- Introduction to Artificial Intelligence - IBM SkillsBuild
- Data Visualisation: Empowering Business with Effective Insights - Forage(Tata)
- Certificate of project completion on Website Building – Embrizon Technologies
- Certificate of training completion : Web Developmemt – Embrizon Technologies
- GoogleAndroid Development - AICTE
- JavaScript - SimpleLearn
- Introduction to HTML - SimpleLearn
- SQL - GreatLearning
- Certificate of excellence - Coincent Java(Basics) – HackerRank

[C.1]   Akshith I. (2025). Explainable AI Models for Process Optimization in Industry 4.0. Presented at the International Conference & Start-up Conclave on Science, Engineering & Technology (ICSCSET 2025), organized by PRISM Forum, Pravara Rural Engineering College, Loni, June 12–13, 2025.