DEEPAK KUMAR RAVI

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EDUCATION

ANNA UNIVERSITY - KPR Institute of Engineering and Technology   Coimbatore,IND
BE. CSE(AIML) - Pre Final Year   2022 - 2026
Cumulative GPA: 8.25/10;
Relevant Coursework: Artificial Intelligence,Machine Learning,Deep Learning , GenAi

KONGU MATRIC HIGHER SECONDARY SCHOOL   Tirupur , IND
Percentage : 86%   2022
Stream : Computer Science with Mathematics

WORK EXPERIENCE

ORION INNOVATION   Coimbatore, IND
Full Stack Developer Intern   Jan 28- Feb 28
- Developed a data analysis website for an Australian Football League organization, which improved the accuracy of player and club performance analysis by 20%, enabling more data driven decisions.
- Designed and implemented an Angular-based user interface that streamlined workflows, resulting in a decrease in onboarding time for new team members by 50%, enhancing overall team productivity.
- Created an interactive dashboard for comprehensive data oversight, incorporating key performance indicators (KPIs) that enhanced team visibility into critical metrics, improving project tracking efficiency by over 30%.

ACCENTURE NORTH AMERICA DATA ANALYTICS JOB SIMULATION   North America
Data Analyst Intern(Remote)   July 2024
- Successfully completed a Data Analyst simulation at Accenture, providing strategic data-driven insights for a simulated social media client.
- Analyzed and modeled 7 diverse datasets to identify key content trends, supporting decision-making processes
- Delivered comprehensive findings via a PowerPoint deck and video presentation to both client and internal stakeholders

PROJECTS

SLOUCHOMETER - POSTURE CORRECTION DL MODEL   Sep 2024
- Created and built a machine learning-based posture correction system based on computer vision algorithms to detect and alert slouching behavior in real-time for health enhancement.
- Incorporated advanced pose estimation techniques (MediaPipe/HRNet) to analyze body alignment. These techniques yield high accuracy concerning detection of poor posture and slouching severity
- Designed an intuitive user interface and alert mechanism for action-oriented feedback-an increase in engagement with users and awareness of healthy postural behavior

DRIVER DROWSINESS DETECTION USING AZURE VISION   July 2024 - Sep 2024
- Developed a drowsy driving detection system using Azure Custom Vision and CNN architecture
- Achieved 99.3% accuracy in real-time detection of driver fatigue, enhancing road safety applications
- Published in 4th ICSES International Conference on Sustainable Expert Systems

AI TRANSLATION APP - iOS   Oct 2024 - Present
- Partnered with leading IT specialists to create a unique AI translation tool for iOS, enhancing user satisfaction rates by 30% and expanding reach into international markets within six months.
- Implementing speech-to-text, text translation, and speech synthesis using open-source models like Whisper and TTS.

ACHIEVEMENTS

RETURNING MOTHERS CONFERENCE   Bangalore, IND
WINNER - Ideathon and pitchfest   Nov 15,16 - 2024
- Presented at the 2024 Returning Mothers Conference, hosted by IEEE XPLORE and IEEE, highlighting our innovative idea in a competitive ideathon and pitchfest
- And Won the title with the cash prize of Rs-40,000 INR for idea of SLOUCHOMETER

PAPER PUBLICATION IN INTERNATIONAL CONFERENCE   Online
4th International Conference of Sustainable and Expert Systems (ICSES) October 15,16 - 2024
- Innovated a drowsy driving detection system using Azure Custom Vision and CNN architecture with accuracy of 99.9% had published in the 4th International Conference of Sustainable and Expert Systems (ICSES)

   Paper id : ICSES-46
   Title : Detecting Drowsy Driving Through Eye Closure and Yawning : Azure Custom Vision System

PAPER PRESENTATION COMPETITION   Coimbatore, IND
National Level Tech Symposium
- WINNER - 2 times
- RUNNER - 1time
- Aided in research on Posture Detection and Transformed a model using Mediapipe framework , Blazepose Model and OpenCV and got an accuracy of 95%.
- Presented a research paper on the same in an inter-college competition, winning first place with cash prizes.

CERTIFICATIONS AND TRAINING

Crash Course on Python - Google   **-** Grade Achieved: 95%
AI on Microsoft Azure   **-** Grade Achieved: 85%
AI For Everyone - DeepLearning.AI   - Grade Achieved: 96.25%
AI Essentials - Intel   **-**Grade Achieved: 88.11%

ADDITIONAL

Technical Skills: Artificial Intelligence , Machine Learning , Gen AI , Java , Python , R , Data Sciene
Frameworks: Numpy, Pandas, Scikit learn, Matplotlib, Mediapipe, Flask, Tensorflow, Langchain
Tools : VScode, DevC++, Jupyter Notebook , Google Colab
Languages: Fluent in English , Tamil , Malayalam