KRITHIK KESAVAN

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EDUCATION

VIT University ,Vellore **September 2022 – Present**
B.Tech CSE

CERTIFICATIONS

National University Singapore ,Singapore **December 2023 – January 2024**
Data analytics using Deep learning

Amazon Web Services **December 2023 – January 2024**
Big data analytics using deep learning

Stanford ,Coursera **July 2024– Present**
Machine Learning Specialization

STRENGTHS AND SKILLS

Data Analytics	Machine Learning	Computer Vision
Data Extraction	Deep Learning	NLP

PROFESSIONAL EXPERIENCE

Binary Intelligence, **June 2024- July 2024**
Machine learning Engineer

- Decreased individual customer support needs by **60%** by developing a Chatbot using **LLM with RAG**, utilizing client-provided knowledge repositories for relevant and accurate answers.
- Accomplished object size determination with **85%** precision by developing a **Computer Vision** application that uses a reference object with known dimensions.

RESEARCH

Multimodal Sensory Feedback for Immersive and Therapeutic VR Experiences
Research Strategist and Project Developer

Co-authored a paper introducing an innovative, novel system that combines stress detection from multimodal sensors, machine learning, deep learning, music therapy, and immersive virtual reality (VR) with 360-degree panoramic image-generated environments for continuous stress detection and reduction via distraction.

ACHIEVEMENTS

ROBOTEX India - Ranked 4th in the National Level Robotics Competition among 1,000+ participants in the ROBOTEX Open - Line Following category.

STEM EXPO - Achieved 3rd place in an Inter-School Science Exhibition, competing against participants from over 20 schools.

PROJECTS

Meal Detection Utilized **OneFormer**, a **Vision Transformer** (ViT), as the base model for detection and used **SAM** with **Grounding Dino** to auto annotate the food images in panoptic format.

Song recomender Used **Spotify's API** to create a dataset with song details such as popularity, loudness, tempo, etc., and applied a **KNN** clustering algorithm for analysis and recommendation.