Kirtans' Projects:

Project 1 of Kirtan

1.) ExamEye | Python, NodeJS, PostgreSQL, TypeScript, Prisma, ReactJS | November 2023

Demo Link of ExamEye:
https://drive.google.com/file/d/1kPd9Cv4LrqeUHABiJcU-8ZcBEC5tH20S/view?usp=sharing

∗ ExamEye is an AI guardian for secure online exams, offering real-time vigilance, smart anti-cheating measures, and robust features like eye gaze tracking, multi-platform compatibility, browser lockdown, real-time alerts, and live chat support which makes it much more worthy to use in various online assessments.

∗ Engineered advanced facial recognition algorithms and leveraged libraries such as MTCNN and Face-Recognition for accurate face validation and monitoring.

∗ Implemented web sockets for fetching real-time updates about all the activities of the examinees which comprise all types of violations detected during the proctoring and storing them in exam logs and providing a comprehensive report at the end of the examination.

Project 2 of Kirtan

2.) Student Performance Index Predictor | Python, IDE - VS Code | GitHub Link December 2023

Github: https://github.com/26Kenn07/Student-Performace-Prediction
Link to the web app: http://studentperformance.eu-north-1.elasticbeanstalk.com/predictdata

∗ Created a user-friendly web application, accessible via the provided link: Link of the WebApp, to facilitate easy access to the predictive model. Designed the predictive model utilizing input features such as Hours of Study, CGPA, Extracurricular Activities, Hours of Sleep, and Number of Question Papers solved, achieving a forecasted student performance index with an accuracy rate of 95%.

∗ Deployed the predictive model using AWS Elastic Beanstalk for scalable and reliable performance.

Project 3 of Kirtan

3.) Sports Action Detection | Python, IDE - GoogleColab, Model - YOLOv8 | July 2023

Github:**https://github.com/26Kenn07/Sports_Action_Detection_Using_YOLO**

∗ Created and curated diverse datasets with 1000+ images encompassing a range of cricketing shots including 'Drive', 'Pull', 'Flick', 'Lofted-Drive', and 'Reverse-Sweep', as well as volleyball actions such as 'Service', 'Setting', 'Take', 'Smash', and 'Block' & Developed the custom YOLOv8 models for all with 90%+ accuracy.

Kirtan’s One research paper has been accepted at Microsoft CMT and will be published soon.

Kirtan has worked as a Data Science intern at BrainyBeem. He is in the 7th sem and studying at CSPIT Chandubhai S. Patel Institue of Technology and Kirtan is AI Engineer at AtliQ Technology.