

Product Vision for Facial Analyzer for Rhinoplasty Operation

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The vision for this project is to analyze a patient that is about to get a Rhinoplasty operation using Machine Learning. This project's three main goals are to be able to capture the 3D image of the face of the patient with the provided camera, then analyze the 3D image and mark the significant landmarks on the face using software, and finally compare the image and landmarks, using machine learning algorithms, to the previously stored faces in the database. The program will be able to suggest potential changes in facial features and allow the patient to choose the closest match.