

3.4 Architecture

In this section, we will describe the architecture of the Student Admission Predictor system. The figure below explains the flow of the system:

- The student will enter his/her profile details using the user interface developed in shiny.*
- The user interface code will interact with the KNN and Decision Tree models to provide the users with the required result.*
- The KNN algorithm will be used to determine the chance of the student of securing admission in a particular university based on his/her profile.*
- The Decision Tree algorithm will be used to determine the rank of college to which is most suitable for the student based on his/her profile and provide the student with the list of universities which fall in that rank.*
- Once the models have been executed the result will be provided to the student as the output on the user interface.*

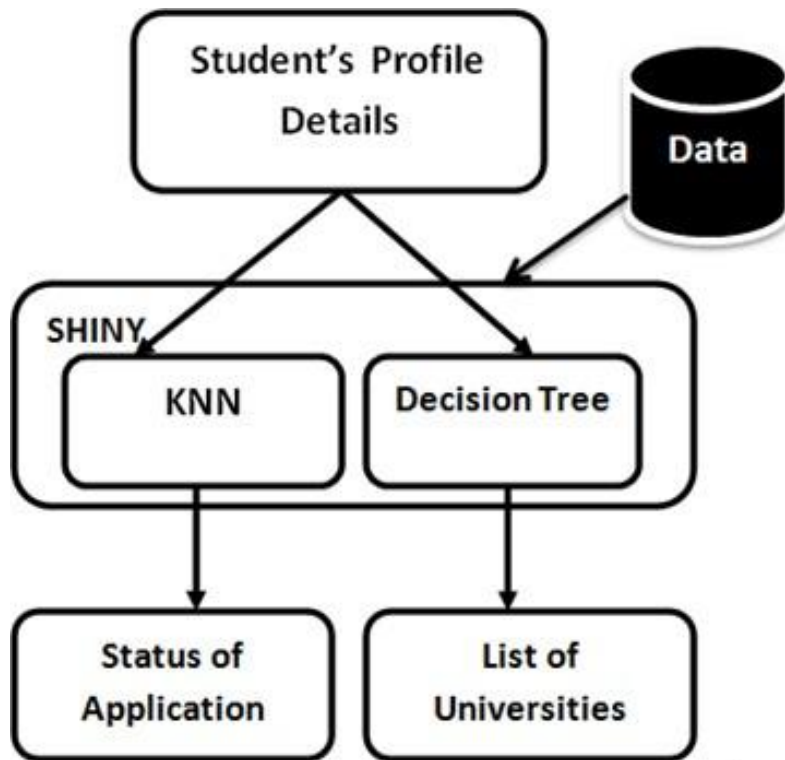


Figure 4: SAP Architecture