

The image shows a JupyterLab IDE interface. On the left is a sidebar with a 'SOURCE CONTROL' panel showing a list of commits under the 'main' branch, including 'added ml cases notebook...', 'added more code in knn', 'Add KNN classifier web app using Stre...', 'added notes', 'added knn base code', 'Refactor code structure for improved r...', 'added matplotlib', 'added numpy code', 'added the pandas sample code', 'added level 1 code', 'added the code', and 'refactor: Update import statements to ...'. The main area displays a Jupyter notebook with a title bar showing '03_ML > 02_ml_dl_cases.ipynb > # assignment'. The notebook content includes a code cell with the following text: '# assignment', '# note down your observations', '# 1. The accuracy of the model before oversampling was lower compared to after oversampling.', '# 2. Oversampling helped in balancing the dataset, which in turn improved the model's performance.', and '# 3. The KNN model is sensitive to the distribution of the training data, and balancing the classes can lead to bet'. Below the code cell is an empty output cell. At the bottom is a terminal window showing the following commands and output: '(ai-env) rahultiwari@Rahuls-MacBook-Air 03_ML % git add .', '(ai-env) rahultiwari@Rahuls-MacBook-Air 03_ML %', '* History restored', 'rahultiwari@Rahuls-MacBook-Air 03_ML % git add .', and 'rahultiwari@Rahuls-MacBook-Air 03_ML %'. The terminal window also shows a status bar at the bottom with 'Spaces: 4', 'Completions quota reached', and 'Cell 2 of 7'.