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# Coronary Heart Disease Risk Prediction

## Program Feedback

The program was a fantastic experience. I highly recommend it to anyone looking to enter the fields of AI and cloud computing. The materials and services provided are incredibly useful for future development, and the mentorship was excellent. I particularly enjoyed the hands-on projects that allowed me to apply the concepts I learned in a practical way.

## Project Short Summary

The project aims to predict the 10-year risk of coronary heart disease (CHD) using a dataset of over 4000 records with 15 attributes. Various machine learning models, including Logistic Regression, Random Forest, Naive Bayes, XGBoost, and SVM, are trained and evaluated. Models are assessed using metrics like Accuracy, Precision, Recall, F1 Macro, and ROC-AUC. The best-performing model based on these metrics is selected for deployment.

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