**Chengdu University of Technology Oxford Brookes College**

**Project Module (CHC 6096)**

**Weekly Report Sheet - 2023/2024 Academic Year**

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| STUDENT NAME: | David |
| STUDENT NUMBER: | 202018020319 |
| SUPERVISOR NAME: | Joojo Walker |
| WEEK NUMBER | week 7 |
| DATE: | 2024.3.9 |
| **Action plan for the current week:**   1. Split the data set into train and test which are 4:1 2. Built ResNet50 model 3. Train the model using Resnet50 4. Using the trained model to conduct fashion item recognition (Predict) | |
| **Challenges and issues encountered in the week:**   1. The number of images(some types) is not enough, so these types of fashion items cannot be recognized correctly. | |
| **Action plan for the next week:**   1. Clean the data set (delete the type whose image number is not enough) 2. Change the project topic to “Fashion item recognition using CNN” 3. Comparative Analysis of prediction results from 8 models(AlexNet,ConvNeXt, DenseNet,EfficientNet,MobileNet V3, VGG, VisionTransformer and ResNet50） 4. Build a simple flask- based website for project. | |
| **Supervisor Feedback:** | |