551 AI Assignment 7 report

Model 2 – accuracy 0.9963234394788743
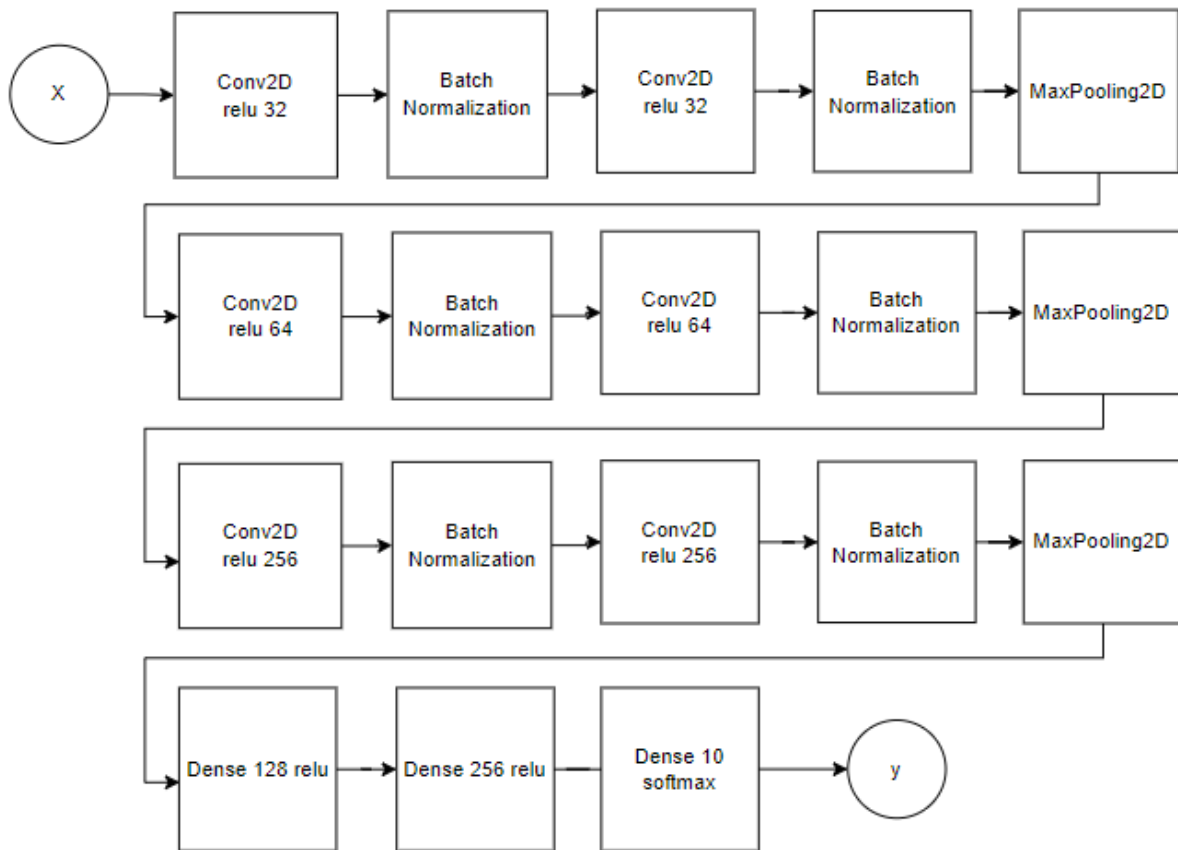
Model 3 – accuracy 0.8598999977111816

```
X → Conv2D relu 32 → Batch Normalization → Conv2D relu 32 → Batch Normalization → MaxPooling2D

→ Conv2D relu 32 → Batch Normalization → Conv2D relu 32 → Batch Normalization → MaxPooling2D

→ Conv2D tanh 256 → Batch Normalization → Conv2D relu 256 → Batch Normalization → MaxPooling2D

→ Dense 128 relu → Dense 256 relu → Dense 10 softmax → y
```
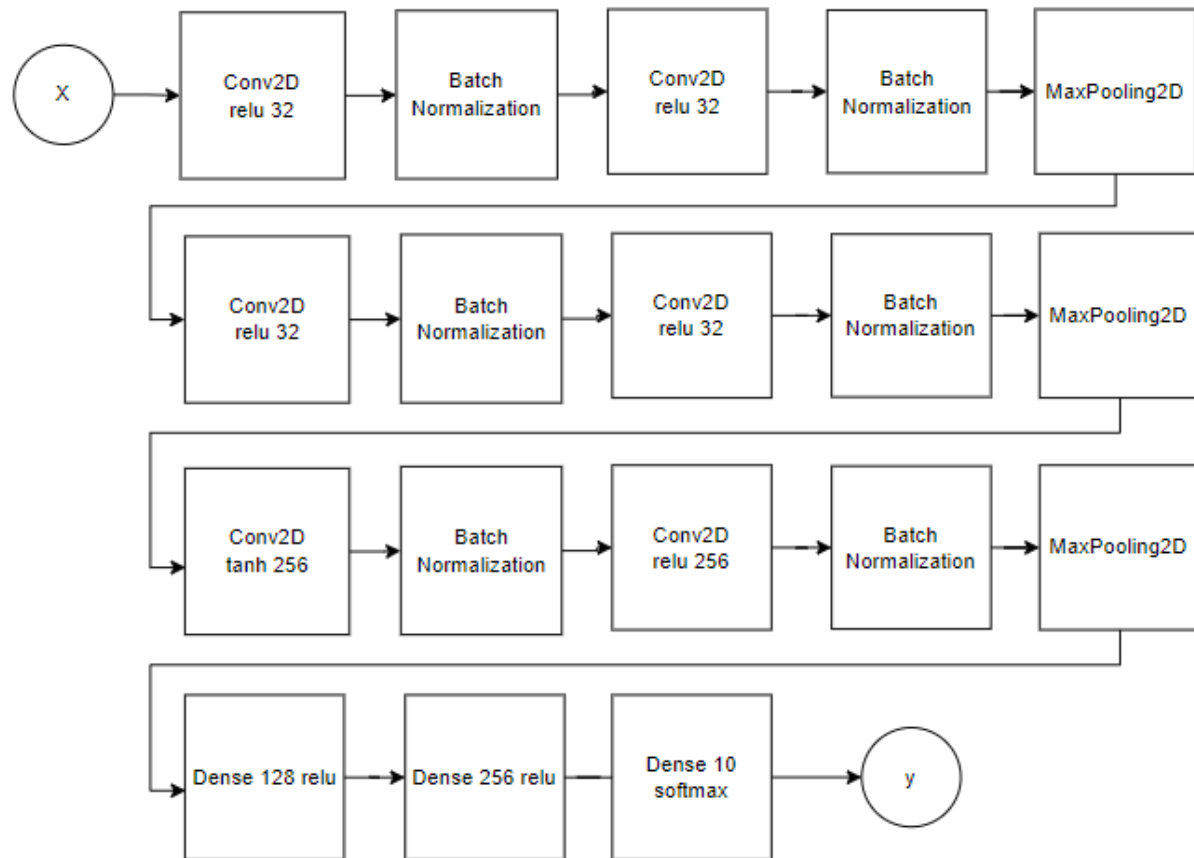
Model 4 – accuracy 0.8601359397172927

```
X → Conv2D relu 32 → Batch Normalization → Conv2D tanh 32 → Batch Normalization → MaxPooling2D

→ Conv2D relu 128 → Batch Normalization → Conv2D tanh 128 → Batch Normalization → MaxPooling2D

→ Conv2D tanh 256 → Batch Normalization → Conv2D tanh 256 → Batch Normalization → MaxPooling2D

→ Dense 256 tanh → Dense 10 softmax → y
```