

FUTURE FOCUS : MODEL PERFORMANCE

JOB RECOMMENDATION RESULTS AND PERFORMANCE

MODEL PERFORMANCE ON KNN TRAINING : ACCURACY 97.1

```
[[9 1 1 ... 1 1 1]
 [9 2 1 ... 1 1 1]
 [9 3 1 ... 1 1 1]
 ...
 [1 1 1 ... 6 6 9]
 [1 1 1 ... 7 7 9]
 [1 1 1 ... 7 5 9]]
hi
['Database Administrator' 'Database Administrator'
 'Database Administrator' ... 'Graphics Designer' 'Graphics Designer'
 'Graphics Designer']
X_train [[6 6 6 ... 6 6 6]
 [2 2 9 ... 2 2 2]
 [3 3 3 ... 3 3 9]
 ...
 [3 3 3 ... 3 3 3]
 [1 1 1 ... 1 1 1]
 [2 9 2 ... 2 6 6]]
y_train ['Project Manager' 'Application Support Engineer' 'Graphics Designer' ...
 'Software Developer' 'AI ML Specialist' 'Hardware Engineer']
y_pred ['Software Tester' 'Hardware Engineer' 'Customer Service Executive' ...
 'Business Analyst' 'Technical Writer' 'API Integration Specialist']
Accuracy= 97.13144517066085
test file created
```

PREDICTED RESULTS

Predicted job: Cyber
Alternative job suggestions: ['Cyber Security Specialist', 'Technical Writer']

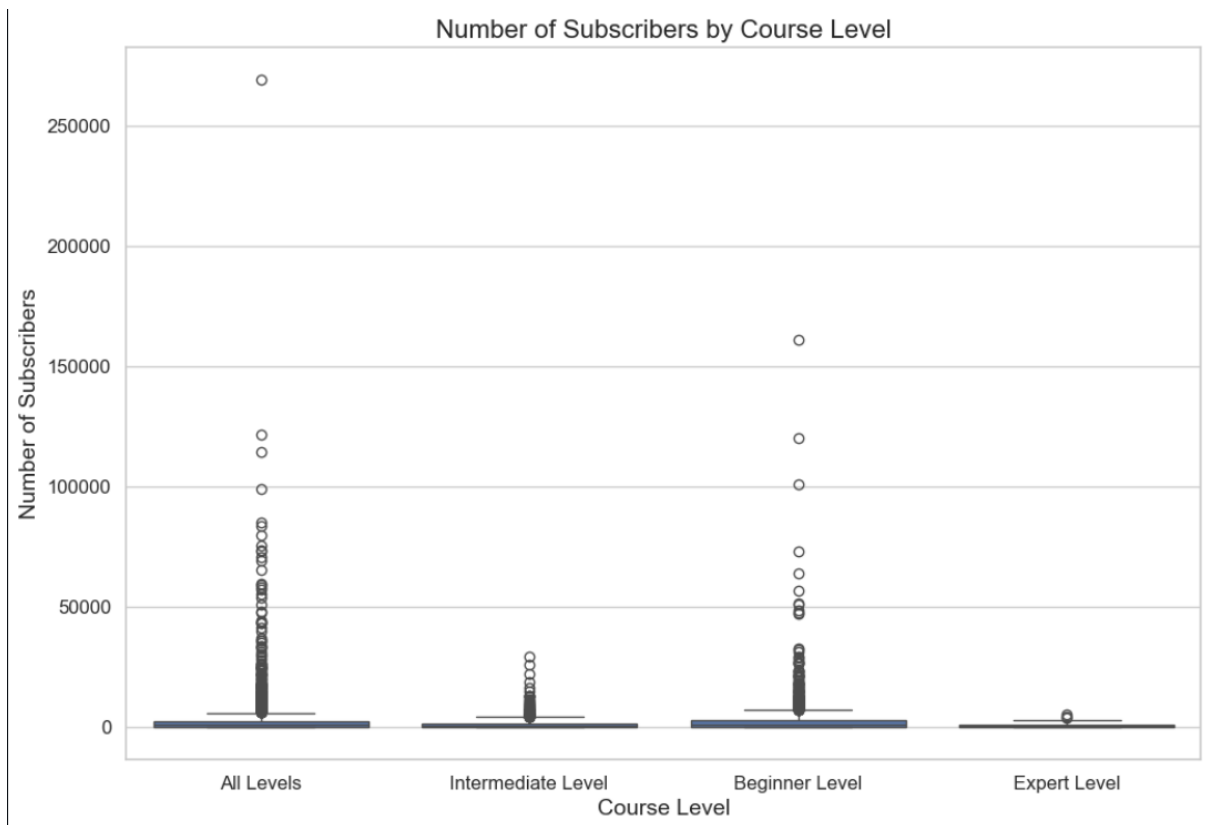
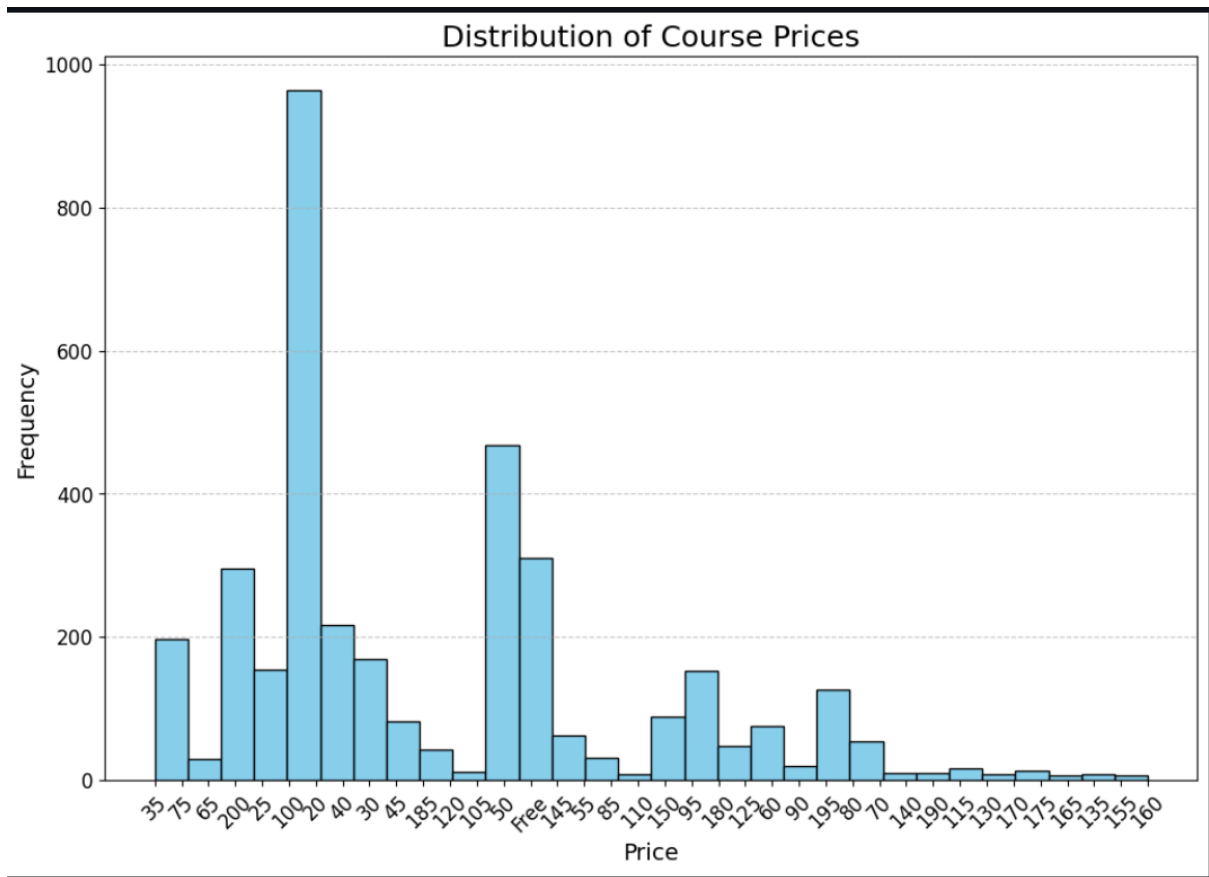
PERFORMANCE ACCURACY ON APPLYING K FOLD AND ENSEMBLE LEARNING

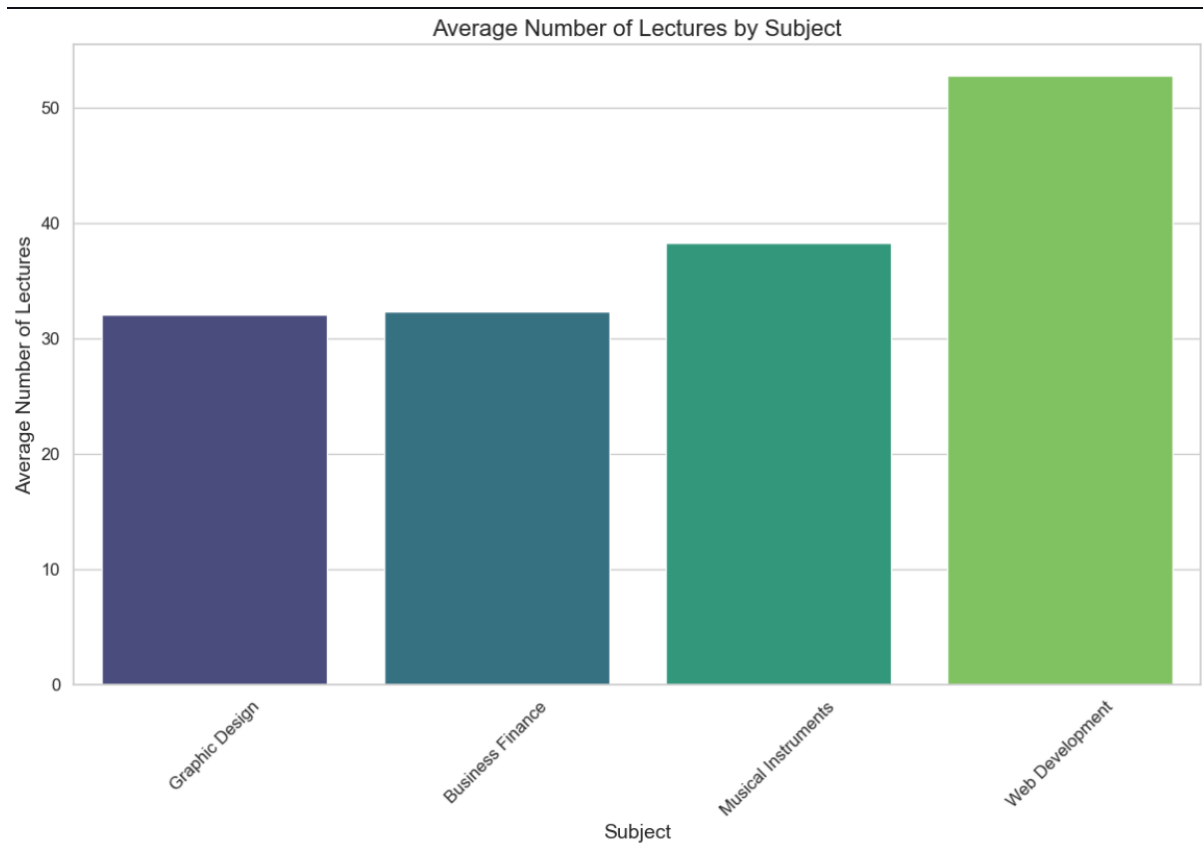
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | \ |
|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|---|
| 0 | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1 | 9 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 2 | 9 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 3 | 9 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 4 | 9 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

```
17
0 Database Administrator
1 Database Administrator
2 Database Administrator
3 Database Administrator
4 Database Administrator
[[9 1 1 ... 1 1 1]
 [9 2 1 ... 1 1 1]
 [9 3 1 ... 1 1 1]
 ...
 [1 1 1 ... 6 6 9]
 [1 1 1 ... 7 7 9]
 [1 1 1 ... 7 5 9]]
['Database Administrator' 'Database Administrator'
 'Database Administrator' ... 'Graphics Designer' 'Graphics Designer'
 'Graphics Designer']
accuracy : 100.0
```

COURSE RECOMMENDATION SYSTEM

RESULTS





ACCURACY OF THE MODEL

```
Average Precision: 73.60000  
Average Recall: 68.4000000  
Average F1 Score: 64.500000000
```

