

RESULTS

GRAPH:

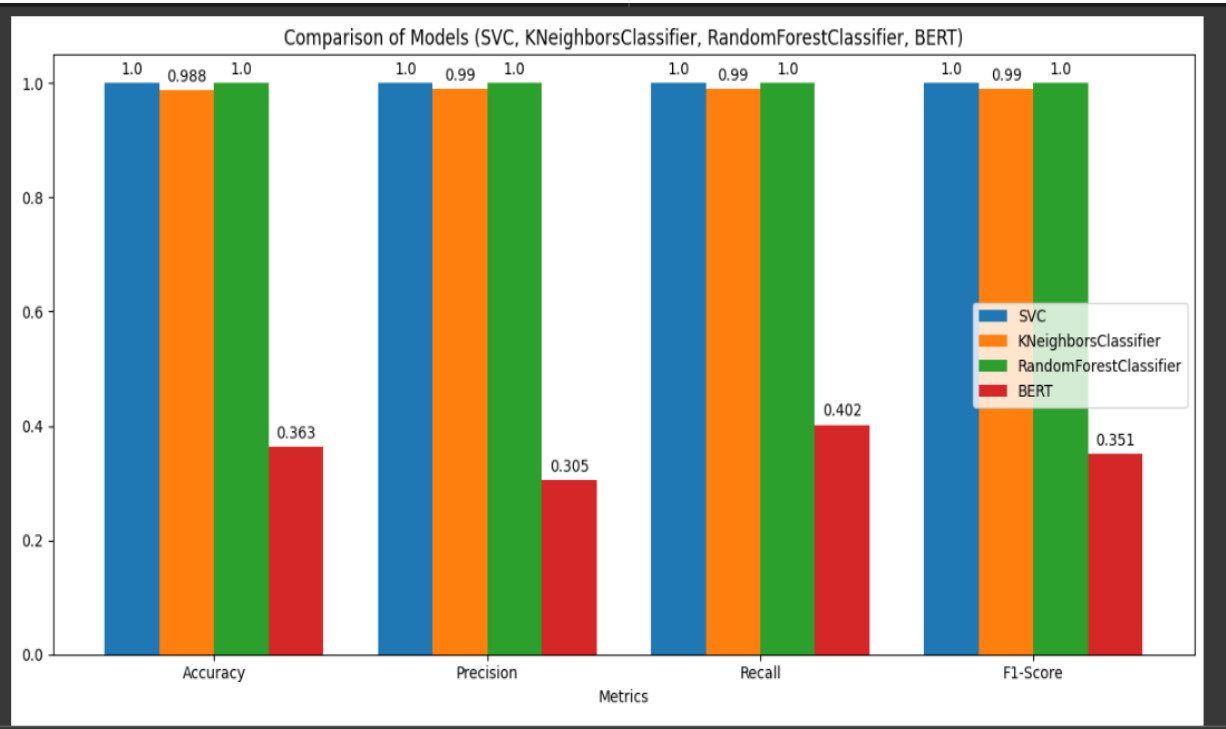


TABLE:

Model	Accuracy	Precision	Recall	F1-Score	Loss
SVC (Support Vector Classifier)	1.0000	1.00	1.00	1.00	0.0000
KNeighborsClassifier	0.9881	0.99	0.99	0.99	N/A
RandomForestClassifier	1.0000	1.00	1.00	1.00	0.0000
BERT (Fine-Tuned)	0.3627	0.305	0.402	0.351	2.5001

METRICS:

BERT MODEL:

BERT Model Results:

Accuracy: 0.3627

Classification Report:					
	precision	recall	f1-score	support	
Advocate	0.00	0.00	0.00	3	
Arts	0.23	1.00	0.38	6	
Automation Testing	0.00	0.00	0.00	5	
Blockchain	0.00	0.00	0.00	7	
Business Analyst	0.00	0.00	0.00	4	
Civil Engineer	0.00	0.00	0.00	9	
Data Science	1.00	0.40	0.57	5	
Database	0.00	0.00	0.00	8	
DevOps Engineer	0.00	0.00	0.00	14	
DotNet Developer	0.00	0.00	0.00	5	
ETL Developer	0.00	0.00	0.00	7	
Electrical Engineering	1.00	0.33	0.50	6	
HR	1.00	0.50	0.67	12	
Hadoop	0.09	1.00	0.16	4	
Health and fitness	0.00	0.00	0.00	7	
Java Developer	0.31	1.00	0.48	15	
Mechanical Engineer	0.50	0.62	0.56	8	
Network Security Engineer	0.00	0.00	0.00	3	
Operations Manager	1.00	0.25	0.40	12	
PMO	0.00	0.00	0.00	7	
Python Developer	0.60	0.60	0.60	10	
SAP Developer	0.00	0.00	0.00	7	
Sales	0.50	0.38	0.43	8	
Testing	0.54	0.94	0.68	16	
Web Designing	0.50	0.60	0.55	5	
accuracy			0.36	193	
macro avg	0.29	0.30	0.24	193	
weighted avg	0.34	0.36	0.29	193	

KNN MODEL:

KNeighborsClassifier Results:

Accuracy: 0.9881

Classification Report:				
	precision	recall	f1-score	support
0	1.00	0.84	0.91	19
1	1.00	1.00	1.00	17
2	0.94	1.00	0.97	16
3	1.00	1.00	1.00	17
4	1.00	1.00	1.00	17
5	1.00	1.00	1.00	28
6	1.00	1.00	1.00	12
7	1.00	1.00	1.00	17
8	1.00	0.95	0.97	20
9	1.00	1.00	1.00	22
10	1.00	1.00	1.00	16
11	1.00	1.00	1.00	14
12	0.86	0.95	0.90	19
13	1.00	1.00	1.00	18
14	1.00	1.00	1.00	10
15	1.00	1.00	1.00	22
16	1.00	1.00	1.00	14
17	1.00	1.00	1.00	17
18	0.94	1.00	0.97	16
19	1.00	1.00	1.00	16
20	1.00	1.00	1.00	17
21	1.00	1.00	1.00	17
22	1.00	1.00	1.00	12
23	1.00	1.00	1.00	11
24	1.00	1.00	1.00	16
accuracy			0.99	420
macro avg	0.99	0.99	0.99	420
weighted avg	0.99	0.99	0.99	420

SVC MODEL:

SVC Results:

Accuracy: 1.0000

Classification Report:

	precision	recall	f1-score	support
0	1.00	1.00	1.00	19
1	1.00	1.00	1.00	17
2	1.00	1.00	1.00	16
3	1.00	1.00	1.00	17
4	1.00	1.00	1.00	17
5	1.00	1.00	1.00	28
6	1.00	1.00	1.00	12
7	1.00	1.00	1.00	17
8	1.00	1.00	1.00	20
9	1.00	1.00	1.00	22
10	1.00	1.00	1.00	16
11	1.00	1.00	1.00	14
12	1.00	1.00	1.00	19
13	1.00	1.00	1.00	18
14	1.00	1.00	1.00	10
15	1.00	1.00	1.00	22
16	1.00	1.00	1.00	14
17	1.00	1.00	1.00	17
18	1.00	1.00	1.00	16
19	1.00	1.00	1.00	16
20	1.00	1.00	1.00	17
21	1.00	1.00	1.00	17
22	1.00	1.00	1.00	12
23	1.00	1.00	1.00	11
24	1.00	1.00	1.00	16
accuracy			1.00	420
macro avg	1.00	1.00	1.00	420
weighted avg	1.00	1.00	1.00	420

Random Forest Classifier:

RandomForestClassifier Results:

Accuracy: 1.0000

Classification Report:					
	precision	recall	f1-score	support	
0	1.00	1.00	1.00	19	
1	1.00	1.00	1.00	17	
2	1.00	1.00	1.00	16	
3	1.00	1.00	1.00	17	
4	1.00	1.00	1.00	17	
5	1.00	1.00	1.00	28	
6	1.00	1.00	1.00	12	
7	1.00	1.00	1.00	17	
8	1.00	1.00	1.00	20	
9	1.00	1.00	1.00	22	
10	1.00	1.00	1.00	16	
11	1.00	1.00	1.00	14	
12	1.00	1.00	1.00	19	
13	1.00	1.00	1.00	18	
14	1.00	1.00	1.00	10	
15	1.00	1.00	1.00	22	
16	1.00	1.00	1.00	14	
17	1.00	1.00	1.00	17	
18	1.00	1.00	1.00	16	
19	1.00	1.00	1.00	16	
20	1.00	1.00	1.00	17	
21	1.00	1.00	1.00	17	
22	1.00	1.00	1.00	12	
23	1.00	1.00	1.00	11	
24	1.00	1.00	1.00	16	
accuracy			1.00	420	
macro avg	1.00	1.00	1.00	420	
weighted avg	1.00	1.00	1.00	420	