

	Index	UsingIP	LongURL	ShortURL	Symbol@	Redirecting//	PrefixSuffix-	SubDomains	HTTPS	DomainRegLen	...	UsingPopupWindow	IframeRedirection	AgeofDomain	DNSRecording	WebsiteTra
0	0	1	1	1	1	1	-1	0	1	-1	...	1	1	-1	-1	
1	1	1	0	1	1	1	-1	-1	-1	-1	...	1	1	1	-1	
2	2	1	0	1	1	1	-1	-1	-1	1	...	1	1	-1	-1	
3	3	1	0	-1	1	1	-1	1	1	-1	...	-1	1	-1	-1	
4	4	-1	0	-1	1	-1	-1	1	1	-1	...	1	1	1	1	

5 rows x 32 columns

Figure :1 - Column names in the database

```
Index(['Index', 'UsingIP', 'LongURL', 'ShortURL', 'Symbol@', 'Redirecting//',
      'PrefixSuffix-', 'SubDomains', 'HTTPS', 'DomainRegLen', 'Favicon',
      'NonStdPort', 'HTTPSDomainURL', 'RequestURL', 'AnchorURL',
      'LinksInScriptTags', 'ServerFormHandler', 'InfoEmail', 'AbnormalURL',
      'WebsiteForwarding', 'StatusBarCust', 'DisableRightClick',
      'UsingPopupWindow', 'IframeRedirection', 'AgeofDomain', 'DNSRecording',
      'WebsiteTraffic', 'PageRank', 'GoogleIndex', 'LinksPointingToPage',
      'StatsReport', 'class'],
      dtype='object')
```

Figure :2 - Column names in the database

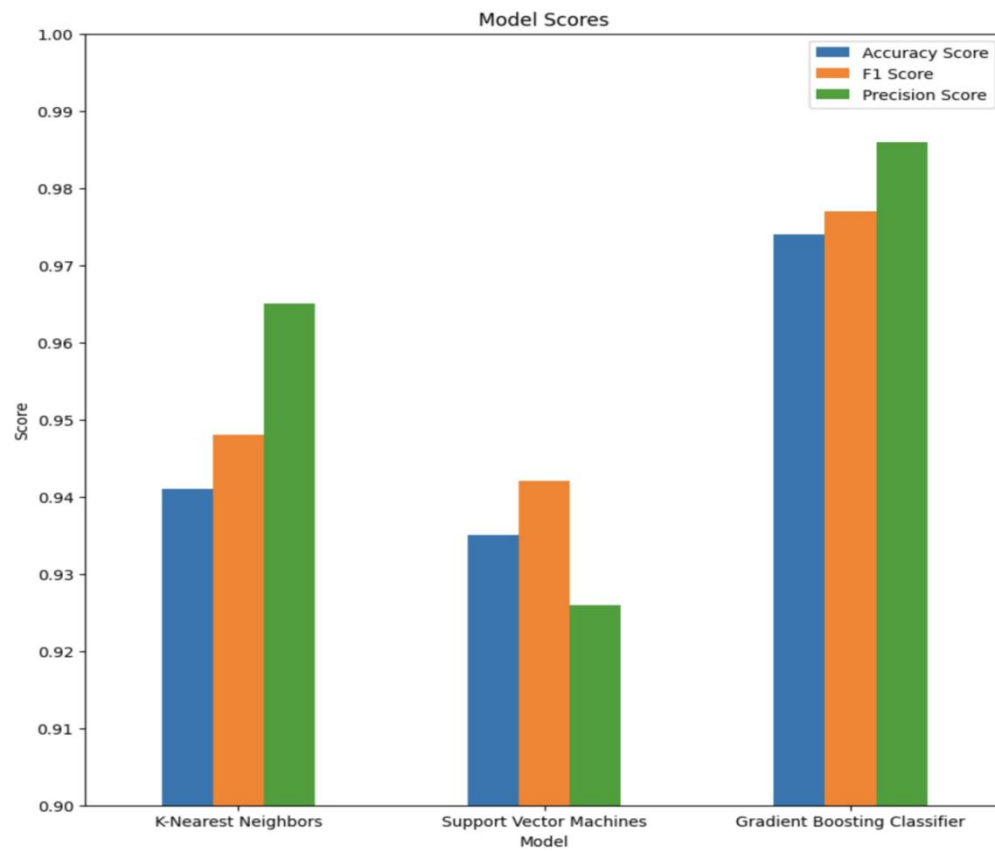


Figure :5 - Model Scores

```

] url=input("enter url")
#can provide any URL. this URL was taken from PhishTank
obj = FeatureExtraction(url)
x = np.array(obj.getFeaturesList()).reshape(1,30)
y_pred =gbc.predict(x)[0]
if y_pred==1:
    print("We guess it is a safe website")
else:
    print("Caution! Suspicious website detected")

```

```

enter urlordvpn.com
Caution! Suspicious website detected

```

```

url=input("enter url")
#can provide any URL. this URL was taken from PhishTank
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```

```

enter urlhttps://www.youtube.com/watch?v=xMdjMVwxH4A
We guess it is a safe website

```

```

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#can provide any URL. this URL was taken from PhishTank
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```

```

enter urlhttps://sathyabama.cognibot.in/
We guess it is a safe website

```

Figure :6 - Detection of phishing websites