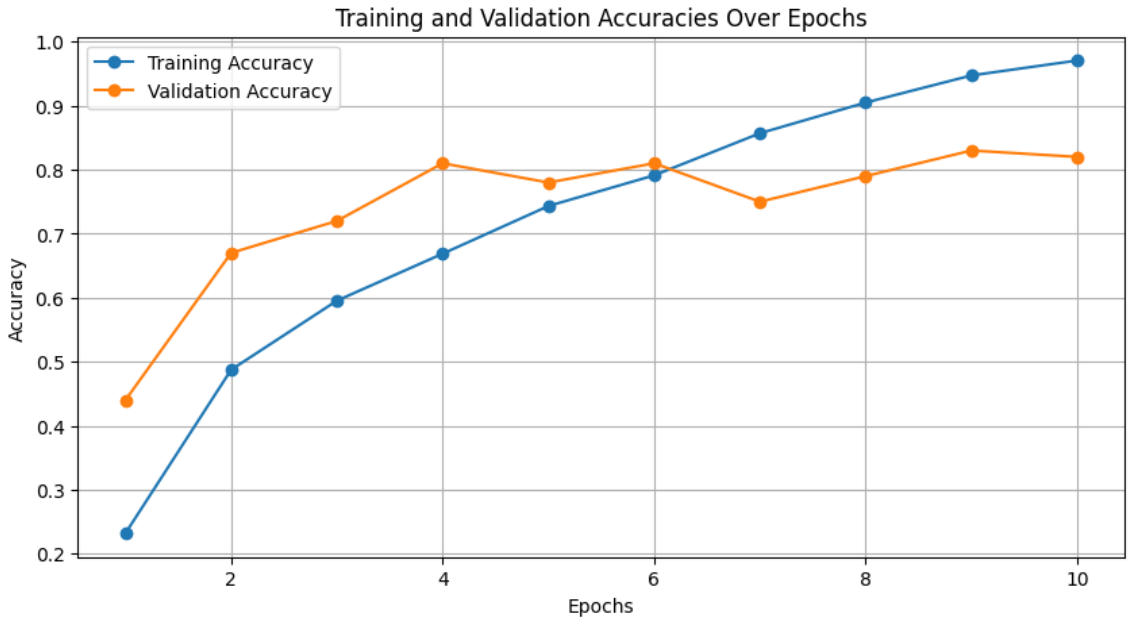
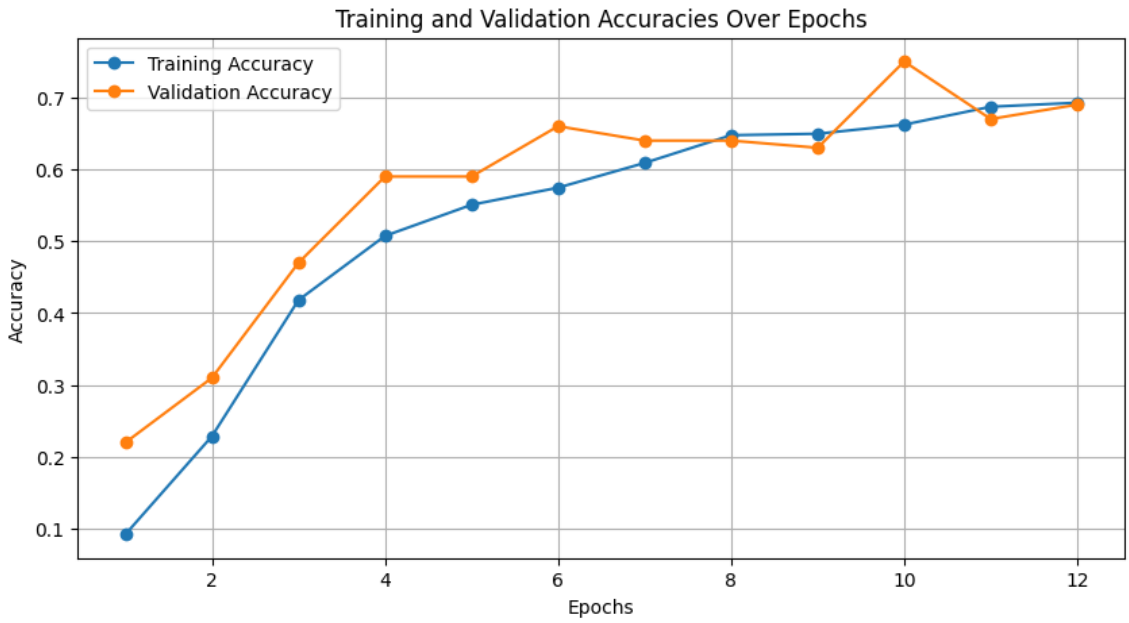
In [ ]:
```
import matplotlib.pyplot as plt

train_accuracies = [0.2319, 0.4875, 0.5954, 0.6688, 0.7433, 0.7912, 0.8570,
val_accuracies = [0.4400, 0.6700, 0.7200, 0.8100, 0.7800, 0.8100, 0.7500, 0

epochs = range(1, len(train_accuracies) + 1)

plt.figure(figsize=(10, 5))

plt.plot(epochs, train_accuracies, label='Training Accuracy', marker='o')
plt.plot(epochs, val_accuracies, label='Validation Accuracy', marker='o')

plt.title('Training and Validation Accuracies Over Epochs')
plt.xlabel('Epochs')
plt.ylabel('Accuracy')
plt.legend()
plt.grid(True)
plt.show()
```



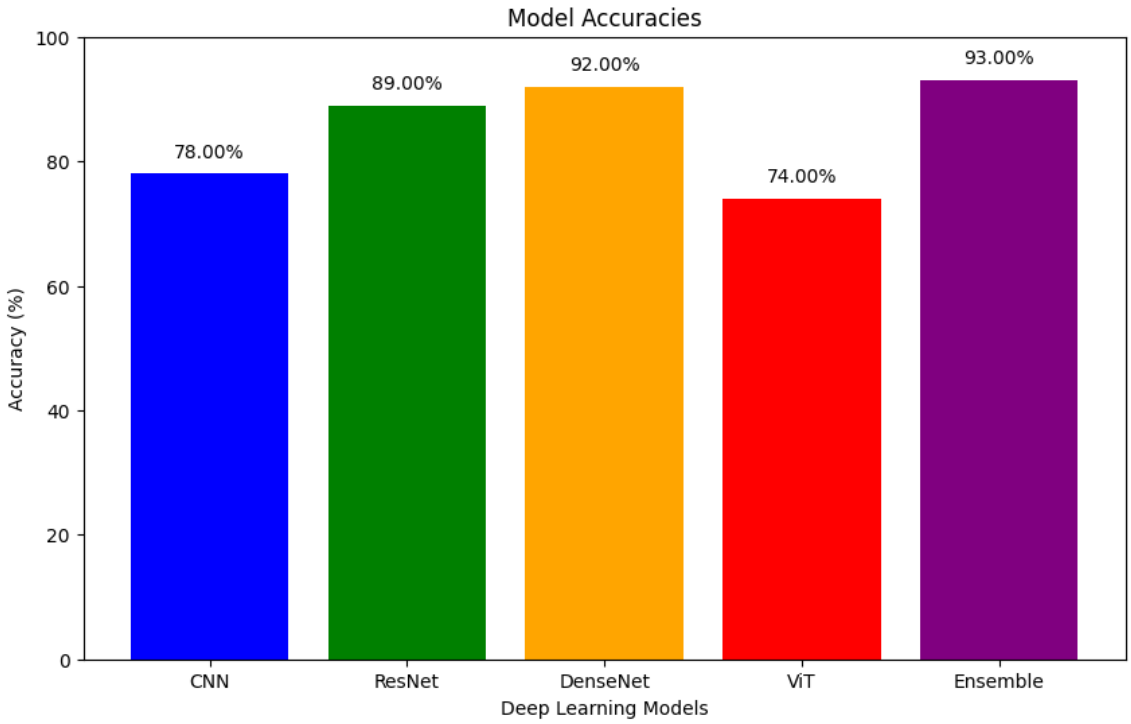
In [ ]:
```
train_accuracies = [0.0536, 0.0994, 0.1859, 0.3047, 0.4414, 0.5638, 0.6509,
val_accuracies = [0.1000, 0.2100, 0.3800, 0.5300, 0.6500, 0.7600, 0.8500, 0

epochs = range(1, len(train_accuracies) + 1)

plt.figure(figsize=(10, 5))

plt.plot(epochs, train_accuracies, label='Training Accuracy', marker='o')
plt.plot(epochs, val_accuracies, label='Validation Accuracy', marker='o')

plt.title('Training and Validation Accuracies Over Epochs')
plt.xlabel('Epochs')
plt.ylabel('Accuracy')
plt.legend()
plt.grid(True)
plt.show()
```

In [ ]:
```
train_accuracies = [0.0646, 0.0974, 0.1538, 0.2421, 0.3346, 0.4289, 0.5152,
val_accuracies = [0.0600, 0.0900, 0.2000, 0.3000, 0.4400, 0.5800, 0.6600, 0

epochs = range(1, len(train_accuracies) + 1)

plt.figure(figsize=(10, 5))

plt.plot(epochs, train_accuracies, label='Training Accuracy', marker='o')
plt.plot(epochs, val_accuracies, label='Validation Accuracy', marker='o')

plt.title('Training and Validation Accuracies Over Epochs')
plt.xlabel('Epochs')
plt.ylabel('Accuracy')
plt.legend()
plt.grid(True)
plt.show()
```

In [ ]:
```
train_accuracies = [0.0923, 0.2288, 0.4181, 0.5074, 0.5507, 0.5745, 0.6089,
val_accuracies = [0.2200, 0.3100, 0.4700, 0.5900, 0.5900, 0.6600, 0.6400, 0

epochs = range(1, len(train_accuracies) + 1)

plt.figure(figsize=(10, 5))

plt.plot(epochs, train_accuracies, label='Training Accuracy', marker='o')
plt.plot(epochs, val_accuracies, label='Validation Accuracy', marker='o')

plt.title('Training and Validation Accuracies Over Epochs')
plt.xlabel('Epochs')
plt.ylabel('Accuracy')
plt.legend()
plt.grid(True)
plt.show()
```



In [ ]:
```
model_names = ['CNN', 'ResNet', 'DenseNet', 'ViT', 'Ensemble']
accuracies = [78.00, 89.00, 92.00, 74.00, 93.00]

plt.figure(figsize=(10, 6))
plt.bar(model_names, accuracies, color=['blue', 'green', 'orange', 'red', '
plt.ylim(0, 100)
plt.title('Model Accuracies')
plt.xlabel('Deep Learning Models')
plt.ylabel('Accuracy (%)')

for i, value in enumerate(accuracies):
    plt.text(i, value + 2, f'{value:.2f}%', ha='center', va='bottom')

plt.show()
```




In [ ]: