# School of Computer Science and Engineering COMP\_SCI-5588-0001-16348-2024SP-DS Capstone

**Professor: Yugyung Lee**

**My GitHub**: <https://github.com/RAMYA19956/Ds_Capstone_Project_5588>

**Poster:** [**https://drive.google.com/file/d/1vFC3ERZWB8H-XMbi911iEg0GxXo9aR6z/view**](https://drive.google.com/file/d/1vFC3ERZWB8H-XMbi911iEg0GxXo9aR6z/view)

**Video:**

I have used the DistilBERT model, specifically the distilbert-base-uncased-finetuned-sst-2-english variant, I contributed to our project by training it on a layoff dataset. My work involved preprocessing the data, fine-tuning the model, and evaluating its performance. Additionally, I developed custom scripts for data augmentation and cleaning to improve model robustness. Through meticulous tuning of hyperparameters and model architecture, I achieved significant improvements in classification accuracy and model generalization, contributing substantially to the project's success.