

# CSL6010: Cyber Security

## LAB 10

Sawan Sanjaykumar Patel  
B20CS063

- Install all the required modules/libraries.
- Command to run the file:

```
python convert.py <image.jpg> <input_text.docx> <output_text.docx>
```

Eg:

```
python convert.py image.jpg input.docx output.docx
```

### APPROACH

Since images are made up of pixels with different rgb values, I converted each of those rgb values into colors and assigned them to the characters of the input text. This produced the desired result.

### SAMPLE OUTPUT

Original Image	Image Hidden in text	Zoomed in text
		



Municipal bonds were mostly unchanged to up 1/16 point in light, cautious trading prior to tomorrow's unemployment report. Partly \*1-1 to July \*2 clear the myriad obstacles facing any overseas company trying to penetrate Japan, say Citicosta related to Mitsui & Co

— plan a good deal on installment loans. “The sharp stock market decline in late October appears ‘31 to have had little or no effect on consumers,” said T.T. Fabian Lindsey, executive director of the Conference Board’s consumer research center. (DIAPER/SEB/C)

83 *Indra* a conchudo and growing environmental concerns. *Pharmacia* is an Italian state-owned holding company with interests in the mechanical engineering industry. *L&L Logic Corp.* reported a surprise \$3.7 million "Q" third quarter net loss, including a special restructuring charge. *T-1345* reflects a continuing industry-wide slowdown in semiconductor demand. The strong growth followed year-to-year increases of 21 % in August and 12 % in September. *Interplay* is providing the programming in return for advertising time

... which it said it "will be valued" at more than \$5 million "Q" in 1990 and \$ 150 million "Q" in 1991. *NBC*, one of its largest domestic competitors, said it had one year in two separate public auctions since 1987. Yet many such managers consistently lo