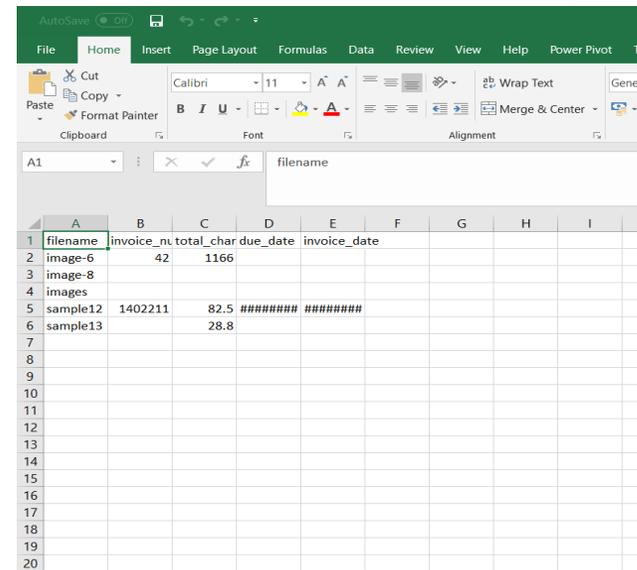
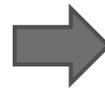
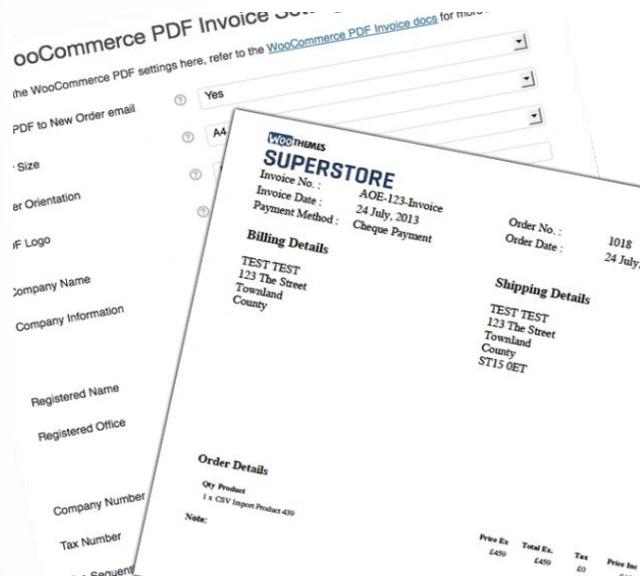




# AI POWERED BUSINESS SOLUTIONS

# AI Powered Optical Character Recognition for Invoices and Data Extraction

With Optical Character Recognition and Text mining using Conventional Neural Network and Recurrent Neural Network

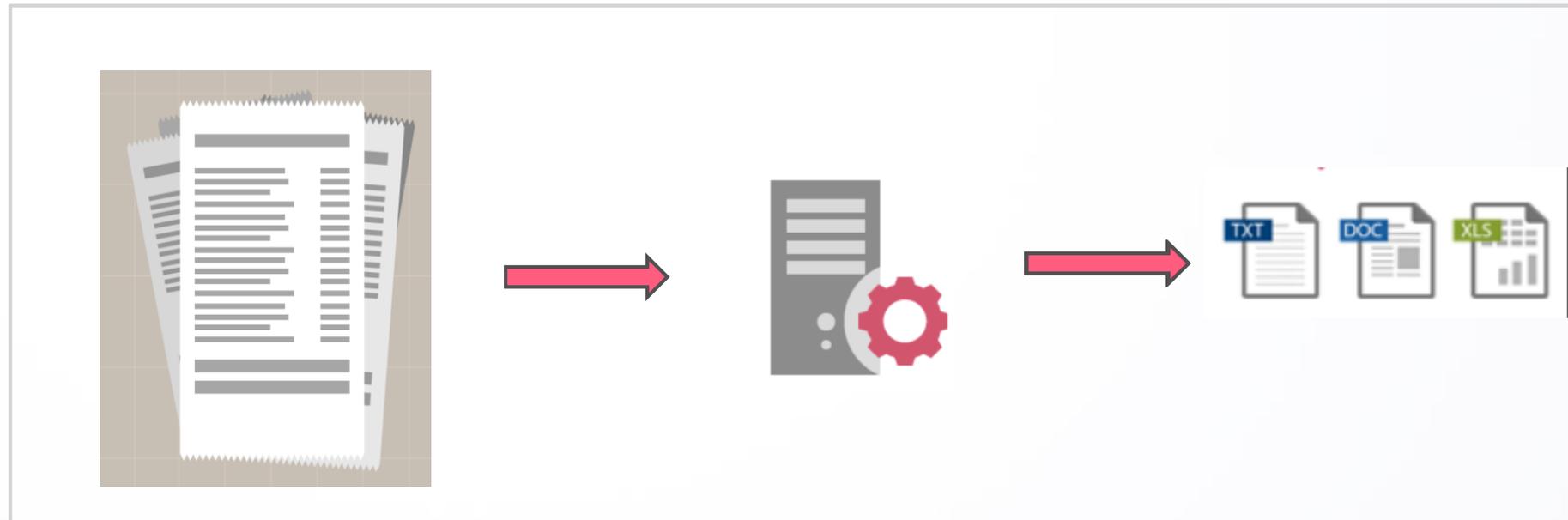
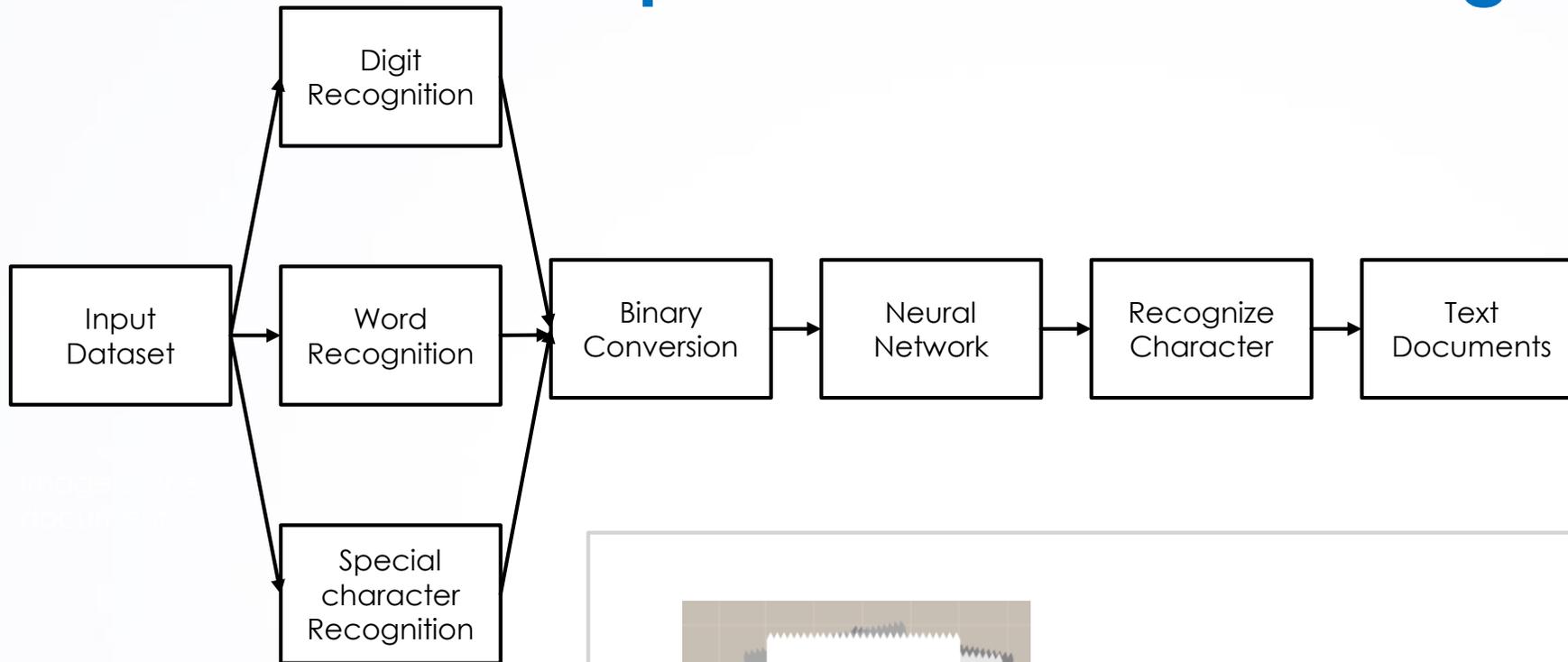


filename	invoice_no	total_char	due_date	invoice_date
image-6	42	1166		
image-8				
images				
sample12	1402211	82.5	#####	#####
sample13		28.8		

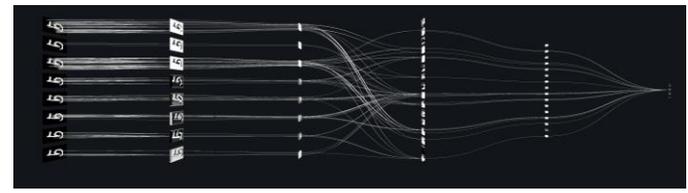
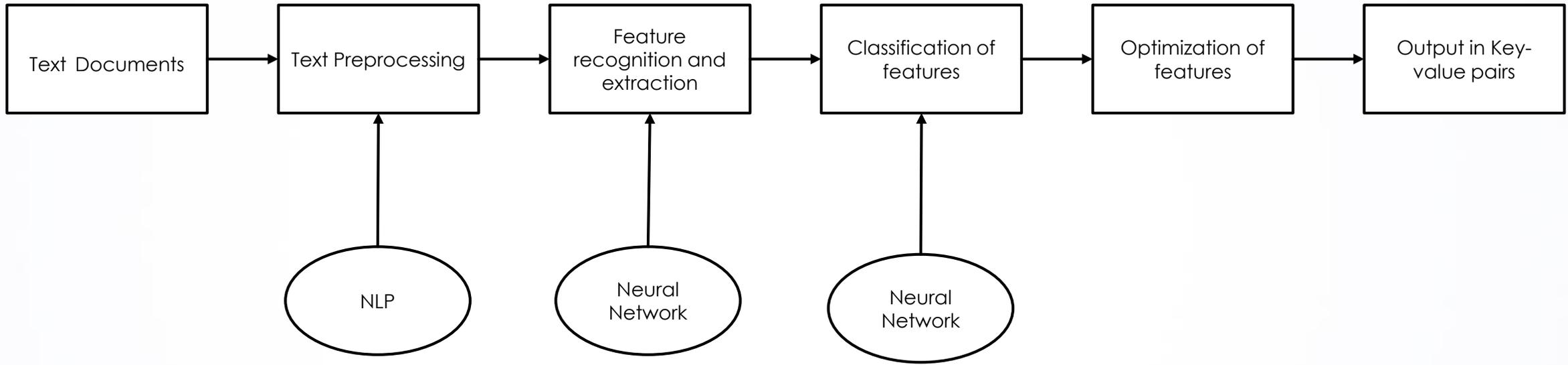
# Solution Architecture



# Optical Character Recognition



# Pattern Recognition and Extraction





# OCR Output

```
image-3 - Notepad
File Edit Format View Help

[REDACTED] California
Unked Slates

llllLD'O SHWED TO

[REDACTED]
California. 91789 California. 91789
Unked Slates United States

Subscription ID IOptStQQO [REDACTED]

Grow

Subscription ID Iomstoo [REDACTED]

PAVMENTS

33601!) was paid on07 Jul. 2017 12:48 UTC by Visa card ending 11 1 1.

N013

Thanks for your Business

INVOICE

Invoices 351

Invoice Dale Jul07.2017
Invoice Amount $360.00 (USD)
CustomerID IOptSlQQO [REDACTED]

PAID
```

```
sample2 - Notepad
File Edit Format View Help

New Yotk. NY 1023

Bill To

Long Island City
New York, NY 1120

Ship To

61h Floor

New York. NY 1022

QTY DESCRIPTION

1 Front and rear brake cabIes & Throttle cable

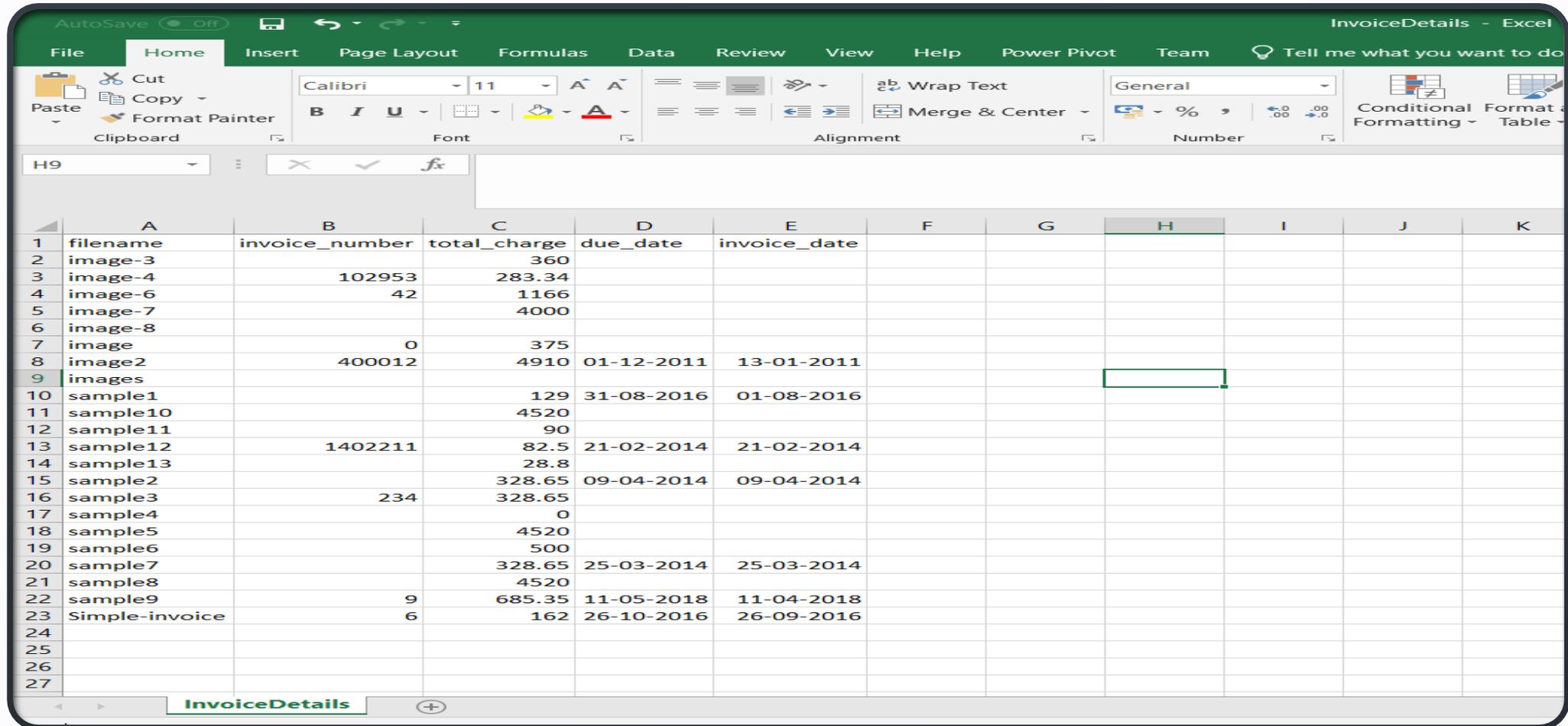
1 New set of pedal arms

3 Labor 3hr:

Term: & Condltlons
Payment is due within 15 days

Cilibank. N.A.
Account number:
Routing:
```

# Model Output



	A	B	C	D	E	F	G	H	I	J	K
1	filename	invoice_number	total_charge	due_date	invoice_date						
2	image-3		360								
3	image-4	102953	283.34								
4	image-6	42	1166								
5	image-7		4000								
6	image-8										
7	image	0	375								
8	image2	400012	4910	01-12-2011	13-01-2011						
9	images										
10	sample1		129	31-08-2016	01-08-2016						
11	sample10		4520								
12	sample11		90								
13	sample12	1402211	82.5	21-02-2014	21-02-2014						
14	sample13		28.8								
15	sample2		328.65	09-04-2014	09-04-2014						
16	sample3	234	328.65								
17	sample4		0								
18	sample5		4520								
19	sample6		500								
20	sample7		328.65	25-03-2014	25-03-2014						
21	sample8		4520								
22	sample9	9	685.35	11-05-2018	11-04-2018						
23	Simple-invoice	6	162	26-10-2016	26-09-2016						
24											
25											
26											
27											

***Thank you for viewing the presentation  
about AI powered optical character  
recognition for invoices and data extraction***

We request you to kindly share the invoices which you need to get processed by sending an email to [ai@aress.com](mailto:ai@aress.com) and we will get back to you with our analysis within 4 working hours.