

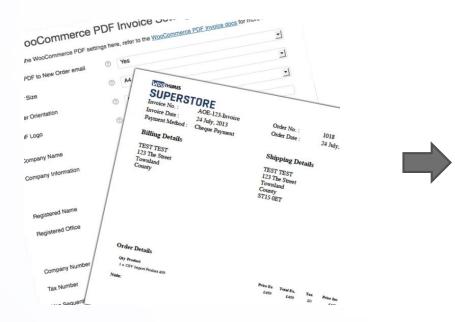


Aress Software and Education Technologies



# Al Powered Optical Character Recognition for Invoices and Data Extraction

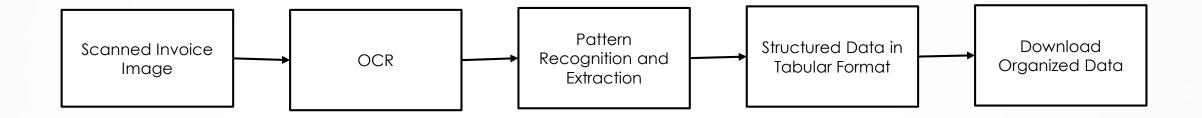
With Optical Character Recognition and Text mining using Conventional Neural Network and Recurrent Neural Network



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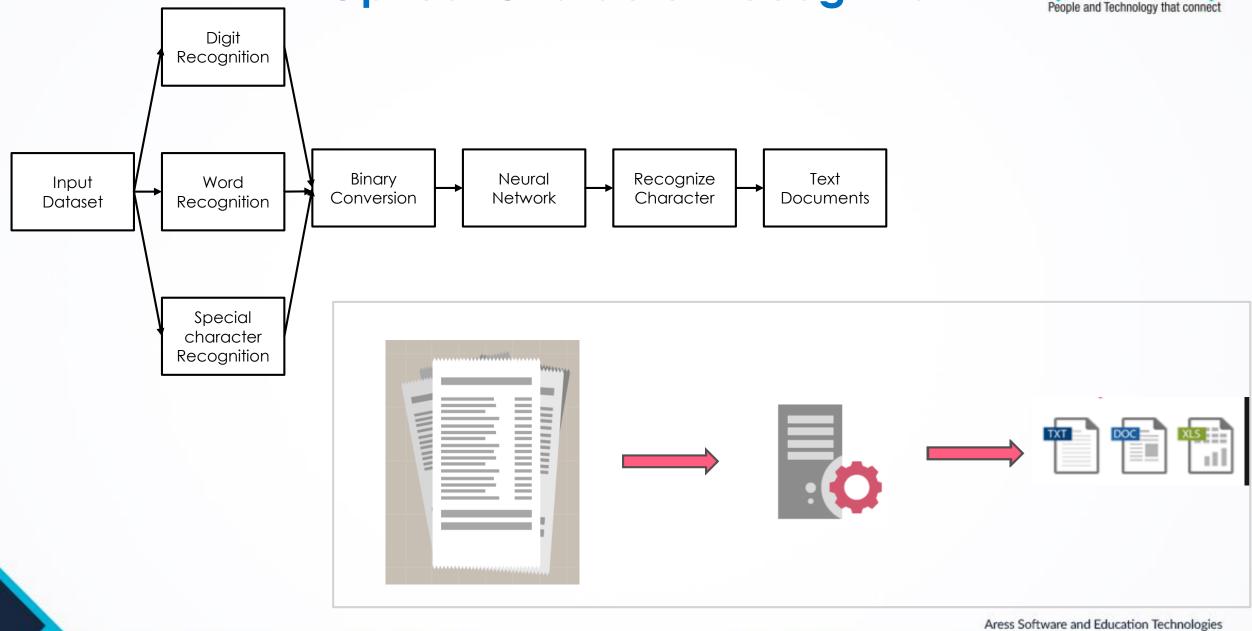
# **Solution Architecture**



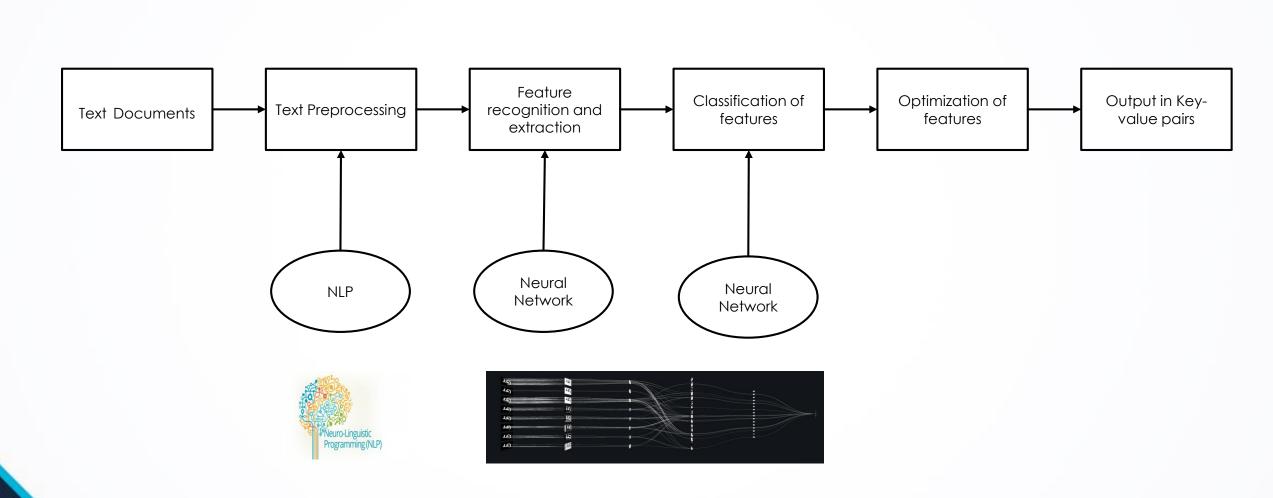


# **Optical Character Recognition**

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### Input Sample



INVOICE



New York, NY 1023

Bill To

6th Floor New York, NY 1022

Ship To

Invoice # Invoice Date P.O.# Due Date

INVOICE

00234

03/25/2014

1742/2014

04/09/2014

QTY	DESCRIPTION	UNIT PRICE	AMOUNT		
1	Front and rear brake cables & Throttle cable	56.00	56.00		
1	New set of pedal arms	182.00	182.00		
3	Labor 3hrs	25.00	75.00		
	-	Subtotal			
		Sales Tax 5.0%	15.65		
		TOTAL	\$328.65		

Terms & Conditions Payment is due within 15 days

Citibank, N.A. Account number Routing:

Note – References to sensitive information have been removed from these documents

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UNITS UNIT PRICE AMOUNT (USD) 1 \$100.00 \$100.00 1 \$200.00 \$200.00 Sub Total \$300.00 General Tax @ 20% \$60.00 \$360.00 Total Payments (\$360.00) \$0.00 Amount Due (USD)

PAYMENTS

BILLED TO California, 91789

United States

DESCRIPTION

Grow

Blossom

Subscription ID IOpt5IQQO

Subscription ID IOpt5IQQOhC

\$360.00 was paid on 07 Jul, 2017 12:48 UTC by Visa card ending

SHIPPED TO

California, 91789

United States

NOTES

Thanks for your Business.

# **OCR** Output



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# Model Output



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	sample11		90								
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	sample13		28.8								
	sample2			09-04-2014	09-04-2014						
	sample3	234	328.65								
	sample4		0								
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# 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 <u>ai@aress.com</u> and we will get back to you with our analysis within 4 working hours.