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UNIVERSITY**
*Shaping Lives...
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Webinar Details

Topic : **Recurrent Neural Network (RNN) and its Applications: The Keras**
Way Speaker : Mr. Ashutosh Bajpai
Profession : Lead Data Scientist
Organization : Wipro Technologies, Delhi
Date : **November 18, 2021**
Day : Thursday
Time : 7:30 PM (IST)

No. of Participants Attended: 140

Webinar Abstract:

Our day-to-day life works in a sequence or in a Karmic tradition as explained more philosophically/religiously in Sanatan Dharma. Actions which have been chosen yesterday become our fate today. RNN brings the same philosophy in the area of machine learning. The result is a sequential outcome of previous time steps and the importance of earlier steps decreases on the next step as the sequence increases. RNN has brought tremendous transformations in digitization of the current world. Its many applications such as auto corrections, sentimental analysis, recommendations and predictive analytics, etc., have become an integral part of human digital life. Keras which is an open source deep learning platform is being vastly used as a medium to implement latest advances in this domain. This webinar is intended for an entry level audience who are interested to explore more on this field.

Objectives:

To recognize data's sequential characteristics and use patterns to predict the next likely scenario.

Speaker Biodata:

Mr. Ashutosh Bajpai, an alumnus of IIT Hyderabad (M.Tech. In Data Science), is currently contributing in digital transformation at Wipro Technologies in capacity of Lead Data Scientist. He has contributed to a couple of advanced research projects of national importance at IIT Bombay and TIFR Mumbai respectively. Mr. Ashutosh was part of the team AstroSat at TIFR; first astronomical satellite launched in 2015 by ISRO India. He possesses much diversified experience working at academic, scientific and industrial R&D units for the last 11 years after graduating (B.Tech. in Computer Science and Engineering) from Rajiv Gandhi Technical University, Madhya Pradesh. His area of interest covers digital transformation and automation. In addition, he has got his work published in many journals, international/national conferences, and workshops.

Organizer: Dr. Dillip Rout, Assistant Professor, Department of Computer Science and Engineering, School of Engineering and Technology, Centurion University of Technology and Management, Odisha.

Outcome: After the completion of session, Participants came to know about,

- Recurrent neural networks
- What is meant by unfolding a RNN
- How weights are updated in a RNN
- Various RNN architectures

Photographs during the session on Recurrent Neural Network and its applications

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Challenges with Feed Forward NW

- Sequence Learning
- Parameter Sharing
- Variable Length I/P and O/P
- Computational Complexities

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October 23, 2015, 3:08 PM

How To Correct Your Phone's **Autocorrect** - Autocorrect

Q W E R T Y U I O P
A S D F G H J K L

Auto Correction and Text Generation

Speech Recognition

Machine Translation

Sentiment Analysis

Text Summarization

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Google Online Shopping site in India Photo from Ashutosh Bagal Launch Meeting - Zoom presentation_rnn

Recurrent Neural Network's (RNN) and its Applications: The Keras Way

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116 Participants Chat Show Screen Record Reactions Apps

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Zoom Meeting

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Advances in RNN's: Attention Models [Bahdanau et al (2015)]

the performance of the encoder-decoder network degrades rapidly as the length of the input sentence increases.

"Despite originally being from Uttar Pradesh, as he was brought up in Bengal, he is more comfortable in Bengali."

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Dr. Sujata Chakravarty Ashutosh Bagal SMRITI KUMARI

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WEBINAR ON Recurrent Neural Network and its Applications: The Keras Way

Date: Thursday, November 18, 2021

Time: 7:30 PM (IST)

Organised by :

Department of Computer Science and Engineering, Paralakhemundi Campus
and Center for Data Science and Machine Learning



Speaker

Mr. Ashutosh Bajpai

Lead Data Scientist
Wipro Technologies, New Delhi

Coordinator :

Dr. Sujata Chakravarty
(Professor and Center Head),
Dr. Dillip Rout
(Assistant Professor),
Mr. Debendra Maharana
(Assistant Professor and HoD)

Zoom Meeting Link-

<https://us02web.zoom.us/j/88473154206?pwd=em8laE5sTHF1Vld4MXk4dGdLbnhIZz09>

Registration Link-

<https://tinyurl.com/p36hfz5j>

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List of Participants

S.No.	Name of the Participants
1.	Ananya Mishra
2.	Bhuwneshwar Kumar
3.	Subham jyoti ray
4.	Soumya Ranjan naik
5.	Soumyaranjan parida
6.	Kamal lochan Badra
7.	Uma Shankar Raj
8.	Nalini kanta mohapatra
9.	Dr. Girija Nandini
10.	Debashis Tripathy
11.	SANDIP BERA
12.	Sandip Ghosh
13.	Tadiboina Gopala krishna
14.	saktisuman panda
15.	Kamalkishor Kumar
16.	Ananya Madhuri Kanar
17.	Ganesh Anand Madiwal
18.	Ashish Patel
19.	Chandan Kumar
20.	SAILESH PRADHAN
21.	DILLIP NAYAK
22.	RAKESH BARAL
23.	Arunima Panigrahi
24.	Dr Naram Ramu
25.	Abhijit Behera

26.	Umakanta Pradhan
27.	Rajnish Kumar
28.	Rajkishor Mohanty
29.	Soumya Ranjan Majhi
30.	Bimal kishor sahu
31.	K Kartik
32.	G k l s s Panduranga Dikshith
33.	K.Natraj
34.	S.Teja
35.	Ayush prasad mishra
36.	B.Tvssn.Manikanta
37.	Roshan Beuria
38.	Ansuman Mohapatra
39.	Itishree Das
40.	Bonu pavankumar
41.	Aditya Narayan Palai
42.	Asish Routray
43.	KRISHNENDU ADDHYA
44.	Kinley wangmo
45.	Debdeep Bhattacharyya
46.	Swagatika Baliarsingh
47.	ARUN KUMAR
48.	Preeti patnaik
49.	Gyanaranjan Tripathy
50.	JYOTISMITA SWAIN
51.	Madhurima Das
52.	Satyabrata samal
53.	Dr.U. Kumara Ganesh
54.	Monalisha Pani
55.	Subhangam Choudhury
56.	SNIGDHA MAHAPATRA
57.	MUDDADA JAGADEESH
58.	S ABHISEKH
59.	Sunita Behera
60.	MANISH KUMAR NIRALA
61.	Satyajit patra
62.	Sandhya rani samal
63.	MANAS RANJAN SWAIN MSc MPhil
64.	Asutosh Acharya
65.	Rupam Pratikshya Benya
66.	Rajesh Kumar Sahu
67.	Khokher Shakir Hanif
68.	Dwity Sundar Rout
69.	BABULAL SAHU
70.	Subhasis Pradhan
71.	Rakesh Raut
72.	Gourav Sahu
73.	S P Swain
74.	Anil Kumar
75.	Digambar Ray
76.	Anita kumari Choudhury
77.	Priyanka Gautam
78.	Gautam Kumar

79.	Sudhir Kumar
80.	Jahnavi Adduri
81.	Gedela.Raja vamsi
82.	PATNANA UPENDRA
83.	Anwasha Jhankar
84.	B.Syamala
85.	Alok kumar
86.	Badal Behera
87.	Sopnarani Padhi
88.	Rajashree Swain
89.	Nitesh Kumar Patel
90.	Suhaila Ghulami
91.	Style Swain
92.	Sunita Sundaray
93.	Banashree Ghana
94.	Nibedita Mishra
95.	Samprati Patra
96.	Biswajeet Mishra
97.	Hitesh Das
98.	Ananya Nayak
99.	Siddheswari Dash
100.	Suchismita Sahoo
101.	Sonika Acharya
102.	Sachhidananda Dash
103.	KAUSTUVA DAS
104.	Chiranjibi Dalai
105.	Prateek dwibedy
106.	Sahu Pragati
107.	Prateek parida
108.	M Sandeep
109.	Baibhabi bindia nayak
110.	Jigyansha Patra
111.	Manali Mishra
112.	Pragyan Sahoo
113.	Anurag Routray
114.	Puja Negi
115.	PALISHREE SAHOO
116.	Subhankar Dash
117.	Satyajit Khuntia
118.	Ashutosh bhakti bedanta
119.	Soumya Prakash Puhan
120.	Dheeravath Saikiran Naik
121.	Satyajit patra
122.	Brijraj Das
123.	Pradeep Sundar Sahu
124.	Anshuman khuntia
125.	MD ARWAZ KHAN
126.	Sandeep Rout
127.	Soumya sucharita sahu
128.	Alekhika Pattanaik
129.	Soubhagya laxmi Das
130.	Biraja Prasad
131.	Pooja Panwar

132.	SATYAPRAKASH TRIPATHY
133.	S SWAYAMSRI SESADRI
134.	Priyanka Priyadarsini
135.	Pragyasini Behera
136.	Subhra Jyosna
137.	Sanjeebani Mohanta
138.	digant thapa
139.	Satyajit Jena
140.	Smruti rekha saho



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Dean - IIE & HRD



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