RESUME

Dr. Sunil Raj Y
Assistant Professor
Data Science
Department of Data Science, St. Xaviers College (Autonomous), Palayamkottai, Tirunelveli - 02

PERSONAL DETAILS

Date of Birth   : 11 – 10 - 1986

Qualification   : M. Sc., M. Phil., Ph. D.,

Designation   : Assistant Professor

Department   : Data Science

Community   : BC

Religion   : Roman Catholic

Nationality   : Indian

Mobile   : 8148115817

Email ID   : ysrsxccs@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
B. Sc.,	Computer Science	Nesamony Memorial Christian College	Manonmaniam Sundaranar University	2007
M. Sc.,	Computer Science	St. Joseph's College (Autonomous),	Bharathidasan University	2009

		Trichy		
M. Phil.,	Computer Science	St. Joseph's College (Autonomous), Trichy	Bharathidasan University	2010
Ph. D.,	Computer Science	Bharathidasan University		2023

ACADEMIC IDENTITY

*VIDWAN ID	392814
*ORCID ID	https://orcid.org/0000-0001-7264-265X
*SCOPUS ID	57200138905
*RESEARCHER ID/ PUBLONS ID	AAB-3907-2019
GOOGLE SCHOLAR LINK	scholar.google.co.in/citations?user=m989yNcAAAAJ&hl=en

TEACHING EXPERIENCE

Date of Appointment	2023
Date of Retirement	
Teaching Experience	UG 12
	PG 4
	M.Phil.
Research	Guided M Phil: - Guided Ph D: - Guiding Ph Scholar: -

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		
		From	**To**	**Years**
UG	St. Joseph's College (Autonomous), Trichy –2.	16 June 2011	05 April 2023	12
PG	St. Joseph's College (Autonomous), Trichy –2.	16 June 2011	17 April 2015	4
PG	St Xaviers College (Autonomous), Palayamkottai – 627 002	19 June 2023	Till date	

AWARDS RECEIVED

1.	
2.	
3.	

S. No		
4.		
5.		

ADMINISTRATIVE EXPERIENCE

S. No	DESIGNATION	INSTITUTIONS	YEAR
1	Assistant Director	Sacred Heart Hostel, St. Joseph's College, Trichy	2013 – 2015

MEMBERSHIP

S. No	Designation	Particulars
1.		
2.		
3.		
4.		
5.		

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ( )

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Faculty Enhancement Program	IQAC, St. Xaviers College (Autonomous)	Palayamkottai, 22 July 2023
2	Faculty Development Program – Multidisciplinary aspects in Higher Education	IQAC, St. Xaviers College (Autonomous)	Palayamkottai, 15 – 17 June 2023
3	Faculty Induction Program	JHEC	Kodaikanal, 5 – 7 June 2023
4	Innovative Teaching and ICT Tools and Resources	IoT Academy	16 – 17 June 2023
5	Advanced Teaching Skills	IoT Academy	24 – 31 May 2023
6	Research Methodology – How to write a powerful Ph.D Thesis?	IoT Academy, Coimbatore	17 February 2023
7	Innovative Teaching and Online Resources	IoT Academy	23 – 24 January 2023
8	Open Educational Resources – Search, Identify, Repurpose and Create your OER	St. Joseph's College (Autonomous), Tiruchirappalli	25 September 2021
9	Teaching Technique	ICT Academy, Amrita College of Engineering	Nagercoil, 02 – 03 -May - 2019

		and Technology	
10	Introduction to Cloud Computing	Anna Adarsh College for Women	Anna Nagar, Chennai, 09 – May - 2019

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
Completed	An Integrated and Secured Architecture for IoT and Cloud Data	Bharathidasan University

AREAS OF RESEARCH

Internet of Things
Cloud Computing
Data Mining

RESEARCH PROJECTS CARRIED OUT

S. No	Title of the Project (Minor)	Name of the Funding Agency& Amount	Duration

PUBLICATIONS

BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
1	2	5	0	
OTHER INDEXED	AS A RESOURCE	PAPERS PRESENTED IN	WEBINARS, SEMINARS,	

	PERSON	NATIONAL AND INTERNATIONAL SEMINARS	WORKSHOPS ATTENDED	
9	2	6	10	

PUBLICATIONS: BOOKS ()

S. No	Title of the Book	Publication	Year
1	Emerging Trends in IoT Cloud Management and Data Minig	Self	2022

BOOK CHAPTERS ()

S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1	Novel Hybrid Technique Enhancing Privacy and Security	Computer Communication and Signal Processing, IFIP AICT 651, Springer Cham, Switzerland AG	978-3-031-11633-9
2	An Intelligence Security Architecture for Mitigating DDOS Attack in CloudIoT Environment	Lecture Notes in Networks and Systems, Springer Nature, Switzerland AG	978-981-99-1744-0

PUBLICATIONS: SCOPUS INDEXED JOURNALS ()WEB OF SCIENCE ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	A Security Architecture for Cloud Data Using Hybrid Security Scheme	IEEE Xplore	978-1-6654-0118-0
2	An effective distributed denial of service attack detection model in integration of internet of things and cloud computing using binary fire fly optimization algorithm	International Journal of Scientific and Technology Research	2277-8616, 8, 709 – 716
3	Mitigation of Distributed Denial of Service Attack using Dynamic Captcha with Equal Probability Algorithm in Integration	International Journal of Scientific and Technology Research	2277-8616, 8, 11, 1823 – 1833

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
	of Internet of Things and Cloud Environment		
4	An Integrated Architecture for IoT Based Data Storage in Secure Smart Monitoring Environment	International Journal of Scientific and Technology Research	2277-8616, 8, 10, 2213 – 2216
5	Predictive Analytics on Facebook Data	IEEE Xplore	978-1-5090-5573-9, 93-96

PUBLICATIONS: UGC LISTED JOURNALS ()			
S. No	**Title of the Paper**	**Name of the Journal**	**ISSN No., Volume, Issue, Impact factor & Pg. No**
1	An Integrated Architecture for IoT Based Data Storage in Secure Smart Monitoring Environment	International Journal of Scientific and Technology Research	2277-8616, 8, 10, 2213 – 2216
2	An effective distributed denial of service attack detection model in integration of internet of things and cloud computing using binary fire fly optimization algorithm	International Journal of Scientific and Technology Research	2277-8616, 8, 709 – 716
3	Mitigation of Distributed Denial of Service Attack using Dynamic Captcha with Equal Probability Algorithm in Integration of Internet of Things and Cloud Environment	International Journal of Scientific and Technology Research	2277-8616, 8, 11, 1823 – 1833

PUBLICATIONS: OTHER INDEXED JOURNALS ()			
S. No	**Title of the Paper**	**Name of the Journal**	**ISSN No., Volume, Issue, Impact factor &Pg.No**
1	Security Enhancing Techniques for Data in IoT Cloud Analysis	International Journal of Advances in Engineering and Management	2395-5252, 3, 10, 443 – 451
2	DNA Based Hybrid Approach for Data Integrity on Integrated Cloud Based Smart Environment: An Analysis	International Journal of Scientific Development and Research	2455-2631, 5, 10, 194 – 205
3	Taxonomy of Distributed Denial of Service Attacks and Popular Defense Mechanism using Integration of IoT and Cloud Environment	International Journal of Innovative Research in Science, Engineering and Technology	2319-8753, 8, 9, 9364 – 9370
4	Shield Advanced Mitigation System of Distributed Denial of Service Attack in integration of Internet of Things and Cloud Computing Environment	International Journal of Innovative Technology and Exploring Engineering	2278-3075, 9, 2, 1300 – 1306
5	Integrated Device Cloud Architecture for a Secure Cloud	International Journal of Recent Technology and	2277-3878, 8, 4, 5835 – 5841

	of Things Environment	Engineering	
6	Classification Based Analysis on Cancer Datasets Using Predictor Measures	Computer Engineering and Intelligent Systems	2222-2863, 10, 6, 33 – 42
7	Classification Analysis on Corpus Data	CiiT International Journal of Data Mining and Knowledge Engineering	0974 – 9578, 8, 5, 161 – 166
8	Clustering methods and algorithms in data mining: Concepts and a study	Journal of Computing Technologies	2278 – 3814, 4, 7, 8 – 11
9	Classification Analysis on Medical Data	CiiT International Journal of Data Mining and Knowledge Engineering	0974 – 9578, 7,4, 148 – 155

AS A RESOURCE PERSON ()			
S. No	**Name of the Event**	**Name of the Sponsoring Agency**	**Place and Date**
1	Python Programming	Department of Computer Science, St. Joseph's College (Autonomous)	Trichy, August 2022
2	MOOC Courses	Department of Computer Science, St. Joseph's College (Autonomous)	Trichy, August 2018

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER PRESENTED: National () International ()			
S. No	**Name of the Event**	**Name of the Sponsoring Agency**	**Place and Date**
1	International Conference on Expert Clouds and Applications (ICOECA 2023)	Springer & RV College of Engineering	Bengaluru, 9 – 10 Feb 2023
2	National Conference and Exhibition on Rural Innovations	SSM Institute of Eng. & Tech.	Dindigul, 24 – 25 March 2023
3	International Conference on Computer Communication and Signal Processing	Springer and Dept. of Info. Tech., SSN College	Chennai, Feb 2022
4	International Conference on Smart Systems and Inventive Technology (ICSSIT)	IEEE & St. Fransis Xavier College of Engineering	Tirunelveli, Jan 2022
5	International Conference on Intelligent Computing Systems	ICTACT & Mother Theresa Womens University	Kodaikanal, Dec. 2021
6	World Conference on Computing and Communication	St. Joseph's College (Autonomous) and IEEE	Tiruchirappalli, March 2017

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:			
S. No	**Name of the Event -**	**Name of the Sponsoring Agency**	**Place and Date**
1	Microservices and Internet of Things (MIOT): Beyond the Hype	Dept. of Info. Tech., SSN with Springer	Chennai, 23 – 25 Feb 2022

2	Master Class on Deep Learning	Pantech Prolabs India Rvt Ltd,	Chennai, 26 – 30 April 2021
3	Course and Instruction Design for Effective Outcome Based Education	St. Xaviers Catholic College of Engineering	Nagercoil, 10 – 12 June 2021
4	Need for IOT for Modern Electrical Engineering	SCAD College of Eng and Technology	Tirunelveli, 21– May – 2020
5	21st Century Teaching Skills,	Annai Hajira Women's College	Tirunelveli, 08 – 10 June 2020
6	International Colloquium on The Challenges of Higher Education in the 21st Century	St. Joseph`s College (Autonomous)	Tiruchirappalli, 27 – Sep – 2019
7	Participated two day's Endowment Workshop on Current Trends in Computer Science	Department of Information Technology, St. Joseph`s College (Autonomous)	Tiruchirappalli, 01 – Sep – 2017
8	Human Values Development Programme (HVDP)	All India Association for Christian Higher Education, Ecumenical Centre, Janakpuri, New Delhi,	Poondi, 12 – Sep – 2016
9	Workshop on Research Areas in Computer Science	Barathiyar University	Coimbatore, Feb 2013.
10	Smart Devices Programming Using Android (WSDPA)	Dept. of Comp. Sci., St. Josephs College (Autonomous)	Trichy, 8 – Dec – 2012

COUNTRIES VISITED			

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)
Event incharge for 100mts
Team manager for the sports day events 2018
Won prizes by attending events in technical symposiums like programming, Adz up, presentation - college level
Won prizes in singing/ dancing competitions - school level

Date: 20 – 06 – 2023   **Name: Dr. Sunil Raj Y**