



ARCHANA LOPES

ASSISTANT PROFESSOR



9890599604



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Fr. C.R.C.E. Bandra

About Me

I have taught following subjects as part of my experience C++, Java, Neural Network and Fuzzy Logic, Data structures and Algorithm, Python Communication Networks, Machine Learning. With the educational, professional background in Field of Electronics I am comfortable teaching any subject related to Electronics, Information Technology and Computer Science.

Experience

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING, BANDRA (AUG, 2009- TILL DATE)

Assistant Professor

Subjects: C++, Core Java, Neural Network and Fuzzy Logic, Data Structures and Algorithms, Python, Communication Networks

VIDYAVARDHINI'S, A.V. COLLEGE ,VASAI(W) (OCT, 2007 – AUG, 2009)

Lecturer in B.SC (I.T./C.S.)

Subjects: C and C++, OS,SE,SQL

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING, BANDRA (JUNE, 2005- MARCH 2007)

Lecturer in B.SC (I.T.)

Subjects: I.T., C++, Java, OS,SQL,SP,CM

NUCSOFT PVT. LTD, ANDHERI (OCT, 2003 – AUG, 2004)

System Engineer

Job Profile: Development, Support and Training

VIVACOLLEGE, VIRAR (JUN, 2003 – OCT, 2003)

Lecturer

Subjects: Electronics

Education

- Ph.D. (Computer Science and Engineering)- Pursuing Ph.D. From K.L. University, Hyderabad in Computer Science and Engineering
- M.E. (Electronics) from Fr. Conceicao Rodrigue College of Engineering, Fr. Agnel Ashram, BANDRA, 400 050. (UNIVERSITY OF MUMBAI) July, 2009
- B.E. (Electronics) from Fr. Conceicao Rodrigue College of Engineering, Fr. Agnel Ashram, BANDRA, Mumbai 400 050. (UNIVERSITY OF MUMBAI) Dec, 2002

Language

English



Marathi



Hindi



Expertise

- Python Java
- Data Structures and
- Algorithms
- Machine Learning

Research Profile

Orchid ID

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Paper Publication

- 'Artificial Intelligence and Machine Learning Approaches to Document Digitization in the Banking Industry: An Analysis' published in Ingénierie des Systèmes d'Information, 2023, <https://doi.org/10.18280/isi.280521>
- 'An Extensive Review: Models for Regional Language Speech Recognition' in 2024 4th Asian Conference on Innovation in Technology(ASIANCON), <https://doi.org/10.1109/ASIANCON62057.2024.10837903>
- 'Semblance Unmasker: Hidden Emotion Recognition Using Deep Learning Approach' published in 2023 International Conference on Sustainable Communication Networks and Application (ICSCNA), IEEE Digital Library. <https://doi.org/10.1109/ICSCNA58489.2023>
- 'A Chatbot as a first responder for panic attack' published in Gradiva Review Journal, Page No. 253-258.' 10.37897.GRJ.2022.V8I8.22.50429.
- 'Unveiling Hate: Multimodal Perspectives and Knowledge Graphs' published in Lecture Notes in Networks and Systems, 2024, 1029 LNNS, pp. 144–149. https://doi.org/10.1007/978-3-031-61929-8_21
- Comparative analysis of deep learning techniques for credit card fraud detection' published in 2021 International Conference on Advances in Computing, Communication, and Control (ICAC3), IEEE Digital . [10.1109/ICAC353642.2021.9697205](https://doi.org/10.1109/ICAC353642.2021.9697205)
- 'Predicting the impact of Android Malicious Samples via Machine Learning' published in Second International Conference on Sustainable Technologies for Computational Intelligence (ICTSCI-2021), Springer publications. https://doi.org/10.1007/978-981-16-4641-6_27
- 'Generating Hardware Fingerprint of FPGA using Physical Unclonable Function' published in International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering - (ICRIEECE), Bhubaneswar, IEEE Xplore Digital Library
- 'Early detection of Heart Disease using BRANN' ,published in IJCRT, [10.1729/IJCRT.17983](https://doi.org/10.1729/IJCRT.17983)

Minor Research Grant

Received Minor Research Grant from University of Mumbai for project on 'Stock Market Forecasting using Neural Network implementation on FPGA'

Patents

1. "Metastore- An Image based 3D Garment Making System for Virtual Try-ons" , Archana Lopes, Gautam Manual, Jyothis Shajan, Rendell Padu, Rohit Nair, Sangeeta Parshionikar. IPR Application number- 202321018653. Application Date: 19th March 2023. Publication Date: 14th April 2023.

2. "Verbal Agreement signing using blockchain and speech recognition". Sangeeta Parshionikar, Syed Irfan, Lance Soares, Alan Almeida, Archana Lopes. IPR Application number- 202321015188. Application Date:- 7th March 2023, Publication Date:- 31st March 2023.

3. "Swayam Banking: A complete automated banking solution using Machine Learning". Archana Lopes, Dr. Kolla Bhanu Prakash. Application Date:- 3rd March 2024, Publication Date:- 2nd February 2024

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NPTEL/ATAL/ Coursera/Udemy Courses

- Eight-week NPTEL course on "Machine Learning"
- Eight-week NPTEL course on "Deep Learning"
- NITTT module 1 to module 7 certification
- Four-week NPTEL course on "Data Science with Python"
- Twelve-week NPTEL course on 'Problem Solving Through Programming in C' Four Weeks.
- ATAL course on "Research and Innovation Trends in Large Language Models".
- ATAL course on "Deep Learning and its applications".
- ATAL course on "Emerging Challenges in Cyber Security Cyber Security".
- ATAL course on "Application Areas of Data Analytics".
- ATAL course on "Object Detection and Recognition using Deep Learning Techniques".
- ATAL course on "Deep Learning for Natural Language Processing".
- Coursera course on 'Python Programming: A Concise Introduction'
- Coursera Project on 'TensorFlow for AI: Get to Know Tensorflow'
- Coursera course on 'Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning'
- Udemy Course on 'Data Structures and Algorithms using C'

STTP/ FDP

- One-week STTP on 'Cyber Security: Individual, Technology and Research Trends' at Vidyavardhini's College of Engineering and Technology
 - One Week STTP on, 'Technological Advancements in the field of Electronics and Telecommunication Engineering', at Vidyavardhini's College of Engineering and Technology
 - One-week FDP on Python in association with spoken tutorial,IIT Mumbai, at Universal college of Engineering
 - One Week STTP on, 'Vogue of Embedded System in association with VCET Texas instruments innovation lab', at Vidyavardhini's College of Engineering and Technology
 - One- Week STTP on, 'Data Science' at Fr.C.R.C.E.
 - One-Week STTP on 'Artificial Intelligence' at Universal college of Engineering
 - One- Week Training on 'Empowering teachers for online teaching', at St. Teresa's Institute of technology
 - A one-week A one-week STTP on 'Image Processing Applications: Basics to Advanced' at St. Francis Institute of Technology
 - A Two-week graded STTP on "Practical Approach of communication Networks"
 - A 200 hours course on Embedded Systems by Thinklabs.
 - A three-day workshop on "Neural Network and Fuzzy systems"
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