RESUME

Dr. Sunayana Kundan Shivthare.
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Objective:
To achieve professional and personal goals in an organization where I work furthermore exhibiting my inbuilt talents to achieve success to a great height by extending my services to the best of my ability.

Educational Qualification				
Degree	**College**	**University/Board**	**Year**	**Percentage**
Ph.D.(Comp.Sci.)	-	Shri JJT University, Rajasthan	2021	-
SET (Comp. Sci.)	-	SPPU	2018	-
M.Sc (Comp. Sci.)	Pad. Dr. D. Y. Patil ACS College, Pimpri	SPPU	2008	73.99%
B.C.S.	Sangamner College, Sangamner	SPPU	2003	61.58%
H.S.C	PVP College of ASC, Pravaranagar, Loni	Pune	2000	70.00%
S.S.C	Vidya Mandir Prashala, Rahuri	Pune	1998	83.46%
SQTA	Software Quality Catalyst /CSI	Pune	2004	-

Career Highlights
• **Earned Ph.D. at SJJTU, Rajasthan in Computer Science in August 2021**
• **Qualified SET Jan 2018.**
• **Master of Computer Science.**
• **Certified as "Software Quality Testing Analyst" from SQTL in 2004.**
• **Overall 14 Years experience of Teaching in the subject of Computer Science.**

Work Experience			
Sr.No	**College Name**	**Designation**	**Duration**
1.	Assurance Systems Pvt Ltd. Pune.	Software Testing Trainee	14/11/2005 to 26/05/2006
2.	Dr. D. Y. Patil ACS College, Pimpri	Assistant Professor	06/07/2009 to 06/09/2022
3.	MAAER's MIT Arts, Commerce and Science College, Alandi, Pune	Assistant Professor	07/09/2022 to Till date

Ph.D. Research Work
Completed Ph.D. Research Work under the Title: "DESIGN A DEEP LEARNING BASED MODEL TO ANALYZE SENTIMENT, EMOTION AND BEHAVIOUR OF STUDENTS USING SOCIAL MEDIA"

Research Paper Published

1. Published research paper on "Performance Assessment of Deep Learning-based Models for Sentiment and Emotion analysis with respect to Twitter" in NeuroQuntology **(Scopus Indexed)** Journal with an Impact factor of 1.576 in September 2022.

2. Published research paper on "A Review on Data Encryption techniques used for different social media " in the Journal of Emerging Technologies and Innovative Research IJETIR with an Impact factor of 7.95 in April 2022.

3. Published a research paper on "To Assess Sentimental, Emotional, And Behavioural Facets Of The Students With Special Regard To Their Social Media Walks" in the International Journal of Creative Research Thoughts(IJCRT) with an impact of 7.97 in April 2022.

4. Published a research paper on "To implement a Deep Learning-Based SEB Analysis Tool to analyze Sentiment, Emotion, and Behaviour of students using Twitter tweets" in the International Journal of Engineering Research and Applications (IJERA) with an impact factor of 6.18 in February 2022.

5. Published a research paper on "To Evaluate the performance of Machine Learning Models for Sentiment and Emotion Analysis with special reference to Twitter" in the International Journal of Research and Analytics Reviews (IJRAR) with an impact factor of 5.75 in November 2021.

6. Presented a research paper on "An Empirical Study: To Analyze the Behavioural Aspects of the Students Based on Social Media Moves" in the Virtual Conference on Artificial Intelligence, Network Security, Data Science and IoT organized by VELAMMAL ENGINEERING COLLEGE Velammal Nagar, Ambattur-Redhills Road, Chennai in August 2020.

7. Published a research paper on "To study and analyze different data extraction techniques using machine learning for text, audio and video data" in the International Journal of Research and Analytics Reviews (IJRAR) with an impact factor of 5.75 in March 2020.

8. Published a research paper on "To Enhance the Impact of Deep Learning-Based Algorithms in Determining the Behavior of an Individual-based on Communication on Social Media" in the International Journal of Innovative Technology and Exploring Engineering (IJITEE) **(Scopus Indexed)** with an impact factor of 5.54 in October 2019.

9. Published research paper on "A Review on the Influence of Social Media in Youth" at SJJTU in Research Aspects in Renewable Energy, Green Technology, Engineering and Environmental Science and its application for Development of Rural India in November 2018

10. Published research paper "A Comparative Study of Intrusion Detection System tools and Techniques" in the journal IJIRCCE with an Impact factor of 6.577 in August 2017.

11. Published research paper "To study the use of QR code in the classroom to enhance motivation, communication, collaboration and critical thinking" in the journal IJIRCCE with an impact

factor of 6.577 in April 2017.

12. Published research paper "To study the impact of security issues in cloud computing " in the journal IJIRCCE with an Impact factor of 6.577 in April 2017.

13. Presented a research paper "Review on Data Warehousing, OLAP & OLTP Technologies." at the National Conference on "Digital Era- Challenges & Opportunities " organized by Dr. D. Y. Patil IMRC Pimpri Pune -18 on 29th and 30th January 2016.

14. Presented and Published a research paper "A study on Work-Life Balance in Working Women " in International conference on "Research & Recent Trends in Engineering & Technology" organized by SAI POLYTECHNIC Yavtalmal on 18th and 19th January 2016.

15. Presented and Published a research paper "Challenges in Cloud Computing in Current Scenario" in the National Conference on "Recent Trends in IT & Management " organized by MIT College of Arts, Commerce and Science, Alandi on 28th and 29th November 2014.

16. Presented a research paper "To study the use of ICT tool in knowledge acquisition" in the National Conference on "Use of ICT tools in Education" organized by Padmashree Dr. D. Y. Patil Arts, Commerce and Science College Pimpri Pune -18 on 24th and 25th February 2014.

Patent Publication		
Sr. No.	Title	Date of Publication
1	Automatic smart health care system to monitor and predict all types of Lung disease and Lung Cancer for good Health care Management using image processing, Cloud and Machine learning Algorithms	17/03/2023

Subjects Taught		
Sr. No	Subject	Class
1	Database Management Systems	FY.B.C.A, F.Y.M.C.A(Science), F.Y.M.Sc(IMCA)
2	Relational Database Management Systems	S.Y.B.C.A, S.Y.B.B.A.(Computer Application)
3	C Programming	F.Y.M.C.A(Commerce)
4	Distributed Database Systems	S.Y.M.C.A(Science), T.Y.M.C.A(Commerce)
5	Advanced Database Management Systems	S.Y.M.C.A(Commerce), F.Y.M.C.A(Science)
6	Design & Analysis Of Algorithms	S.Y.M.C.A(Science)
7	Computer Networks	S.Y.B.B.A.(Computer Application)
8	Computer Networks-I	T.Y.B.Sc(Computer Science)
9	Computer Networks-II	T.YB.Sc(Computer Science)
10	Database & System Administration	S.Y.M.Sc(Computer Science)
11	Programming in .Net	S.Y.M.Sc(Computer Science)
12	Data Structure using C	S.Y.B.B.A(Computer Application), F.Y.M.Sc(IMCA)
13	Object Oriented Programming using CPP	S.Y.B.B.A(Computer Application)

14	Web Technologies	T.Y.B.B.A(Computer Application)
15	ASP. Net	F.Y.M.Sc(Computer Application)
16	Internet Programming	T.Y.M.C.A(Science)
17	Object Oriented Programming using Java-II	T.Y.B.Sc (Computer Science)
18.	Block Chain Technology	T.Y.B.Sc (Computer Science)
19.	Data Structures and Algorithms-II	S.Y.B.Sc (Computer Science)
20.	Software Testing	T.Y.B.Sc (Computer Science)

Significant Contribution in relevant field and Leadership.
❖ **Development of Teaching Aids**   Developed different teaching aids like Google Classroom, Online Quiz, PPT, and Online Tests.
❖ **Development of Practical Manuals**   Authored PHP LabBook for S.Y.B.B.A.(CA) Sem-I course of Savitribai Phule Pune University
Co-Curricular and Extra-Curricular Activities
❖ Working as **CSI (Computer Society of India) Student Branch Counsellor.**   ❖ Working as a member of **Criteria 1 for NAAC 3 rd Cycle.**   ❖ Worked as a Member of **Criteria 5 for NAAC 2 nd Cycle.**   ❖ Organized **National Level Online Intercollegiate Event: TECHNOFUSION-2022** in February 2022.   ❖ Organized Webinars, Online quizzes for CSI students at National Level.   ❖ Actively participated in student counseling during the admission process for UG and PG courses.   ❖ Actively involved in **Online Feedback by students** for Computer Science Department.   ❖ Worked as **Incharge of Felicitation Committee** for National Level Conference organized by Computer Science Department.   ❖ Worked as a member of Prize Distribution committee, Programming, Project and Quiz competition in Computer Science Association, Explorer.   ❖ Actively participated in the Welcome function of First Year UG and PG students.   ❖ Worked as a **Project Guide** for B.Sc.(Comp. Sci.), B.B.A(CA), M.C.A(Sci.), M.Sc(Comp.Sci) and MCA(Commerce).   ❖ Worked as **Class Teacher** for various classes and counseled the student for their personal and academic difficulties.   ❖ Co-ordinated activities like PTM (Parent-Teacher Meeting), Alumina Meet, Guest Lectures, Home Assignments, Innovative Activities, Class Tests, Internal Examinations, Pre-Placement, Seminars, Group Discussions, Viva sessions, Remedial Teaching, and Mentor-Mentee meetings for different classes.   ❖ Designed Study Material for a variety of Theory and Practical subjects: PPT, Notes, Videos, Online quizzes, Practical Assignments, Question Bank, and Practical slips solutions.

Refresher Course Completed		
Subject	**College/Institute**	**Date**
Two-Weeks Interdisciplinary Online Refresher Course in Advanced Research Methodology	TLC Ramanujan College, Dehli	26/10/22 to 10/11/2022

FDP/Workshop/Seminar Attended			
Sr. No	**Subject**	**College**	**Date**
1.	One Week National Level Online Faculty Development Program on Recent Advances in Data Science, Data Analytics and Cyber Security	Shri Vishnu Engineering College for Women (A), Bhimavaram.	01/03/2023 to 05/03/2023
2.	Online National level workshop on the topic Data Analysis and Ethics in research	Christ College, Pune	14/02/2023 to 16/02/2023
3.	Attended two days National Level Workshop on NEP 2020	MIT Arts, Commerce and Science Colege, Alandi,Pune	14/02/2023 to 15/02/2023
4.	Two-week FDP on Deep Learning	Army Institute of Technology, Pune	09/01/2023 to 20/01/2023
5.	Attended workshop on Stress Management arranged by FDP committee and HR Department	MIT Arts, Commerce and Science Colege, Alandi, Pune	21/12/2022
6.	Workshop on Research Paradigms	Christ College, Pune	05/11/2022
7.	Seminar on Emerging Trends in Remote Sensing (ETRS-2022)	IEEE-GRSS Bombay	26/11/2022
8.	One week online FDP on Computer Vision and Deep Learning	Vivekanand Education Society's Polytechnic	17/05/2022 to 21/05/2022
9.	One week online FDP on Advances in Natural Language Processing using AI	Vimal Jyothi Engineering College, Kannur, Kerala	14/03/2022 to 18/03/2022
10.	Faculty Development Program of T.Y.BBA(CA) Sem-VI Theory and Practical	Dr. D. Y. Patil ACS College Pimpri	05/04/2022
11.	Five days Online FDP on Design and Analysis of Algorithm	St. Joseph's Institute of Technology, Chennai	13/12/2021 to 17/12/2021
12.	Faculty Development Program of B.B.A. (CA) Sem-V	Dr. D. Y. Patil ACS College Pimpri	25/10/2021 to 27/10/2021
13.	Workshop on Implementation of T.Y.B.Sc(CS) Sem-I Syllabus CBCS Pattern 2019	Dr. D. Y. Patil ACS College Pimpri	08/10/2021 to 12/10/2021
14.	One Week FDP on Augmented Reality and Virtual Reality	AISSMS College of Engineering, Shivajinagar, Pune.	21/06/2021 to 25/06/2021
15.	Syllabus Restructuring Workshop of B.B.A. (CA) Sem-V and VI	Dr. D. Y. Patil ACS College Pimpri	17/05/2021
16.	Syllabus Restructuring Workshop of T.Y.Bsc(CS) Sem-I	Dr. D. Y. Patil ACS College Pimpri	05/04/2021
17.	Syllabus restructuring Workshop and Faculty Development Program of B.B.A. (CA) Sem-IV	Dr. D. Y. Patil ACS College, Pimpri	27/01/2021 to 30/01/2021
18.	Effective and efficient writing of research papers for web of science,	AISSMS College of Engineering, Pune	01/07/2020

	Scopus indexed journal and Conference papers using Typeset Research Studio		
19.	Faculty Development Program of B.B.A. (CA) Sem-III	Dr. D. Y. Patil ACS College, Pimpri	15/06/2020 to 20/06/2020
20.	Detailing the Syllabus for M.Sc.(CS) Part II	Dr. D. Y. Patil ACS College, Pimpri	30/05/2020
21.	One day Online FDP on Role of online Teaching Pedagogy and ICT tools in outcome based education	Anandi Pharmacy College, Kalambe	21/05/2020
22.	3rd Online National Research Methodology Workshop	Shri Jagdishprashad Jhabarmal Tibrewala University, Rajasthan	11/05/2020 to 18/05/2020
23.	One Week Faculty Development Programme on PHP and MySQL	Sir Visvesvaraya Institute of Technology, Nashik	08/05/2020 to 13/05/2020
24.	One Week Faculty Development Programme On Python 3.4.3	Abeda Inamdar Senior College Of Arts, Science & Commerce, Pune-01 in association with Spoken Tutorial, IIT Bombay.	01/05/2020 to 08/05/2020
25.	One-day workshop on "Introduction to data science (with Python)"	Modern College, Shivajinagar, Pune.	03/02/2020
26.	FDP on Cyber Security	FDP Center in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by Dr. D. Y. Patil ACS College, Pimpri	18/11/2019 to 23/11/2019
27.	One-day workshop on Implementation of Choice-Based Credit System	Dr. D. Y. Patil ACS College, Pimpri	09/07/2019
28.	Preparation of SET/NET Examination of Computer Science and Application	Dr. D. Y. Patil ACS College, Pimpri	01/06/2017 to 10/06/2017
29.	Restructuring of T.Y.BCA Practical Slips & MCA(Com) Project Guidelines	Pad. Dr. D.Y.Patil ACS College Pimpri	04/01/2016
30.	Workshop on Restructuring of T.Y.BCA & MCA(Commerce) Practical Slips	Pad. Dr. D.Y.Patil ACS College, Pimpri	30/07/2015
31.	Workshop on Restructuring of T.Y.BCA & MCA(Commerce) Syllabus & Practical Slips	DCRC, SPPU	23/12/2014
32	New Credit-Based System for PG (Science) Courses	Pad. Dr. D.Y.Patil ACS College, Pimpri	16/08/2013
33.	One day seminar on Current Trends in IT & Impact of Recession on IT	Indira College of Commerce & Science, Wakad	05/02/2010
34.	Discussion of T.Y.BCA, MCA(Commerce) Syllabus, and S.Y.BCA Slip Preparation	Pad. Dr.D.Y. Patil ACS College, Pimpri	12/09/2009
National Conferences Attended			
Sr. No	**Subject**	**College**	**Date**
1.	Virtual Conference on Artificial Intelligence, Network security, Data science and IoT	Velammal Engineering College Velammal Nagar, Ambattur-Redhills Road, Chennai	6th and 7th August 2022

2.	Virtual Conference on Computing and Informatics	Department of Computer Science and Engineering, Christ College Of Engineering, Kerala, India.	25th and 26th August 2020
3.	National Conference on "Advancement in the field of Computer Science and IT"	Dr. D. Y. Patil Arts, Commerce and Science College Pimpri Pune -18	14th and 15th February 2018
4.	National Conference on "Digital Era-Challenges & Opportunities"	Dr. D.Y Patil IMRC Pimpri Pune -18	29th and 30th January 2016
5.	National Conference on "Recent Trends in IT & Management"	MIT College of Arts, Commerce and Science, Alandi.	28th and 29th November 2014
6.	National conference on "Use of ICT tools in Education"	Pad. Dr. D. Y. Patil Arts, Commerce and Science College Pimpri Pune -18	24th and 25th February 2014
7.	National conference on "Current trends in Computer Science & IT"	Pad. Dr. D. Y. Patil Arts, Commerce and Science College Pimpri Pune -18	21st to 23rd February 2011

International Exposure			
Sr.No	**Subject**	**College**	**Date**
1.	International Online Conference on Student's Research Paper	Dr. D. Y. Patil Arts, Commerce and Science College Pimpri Pune -18	27th to 29th April 2022.
2.	Two Days International Scientific Writing Workshop	Indu's Academy of Biology and Medicine & FIIE, D.Y.Patil Vidyapeeth, Pune	8th and 9th January 2022.
3.	International Conference on Research Outlook, Innovations, and Research Trends (ICROIRT-2020)	-	29th and 30th August 2020
4.	International Conference on Research Aspects in Renewable Energy, Green Technology, Engineering, and Environmental Science and its Application for the Development of Rural India	Shri JJT University, Rajasthan	17th November 2018
5.	International Conference on "Research & Recent Trends in Engineering & Technology" organized by on	SAI POLYTECHNIC, Yavtalmal	18th and 19th January 2016

Research Experience as a Research Co-Guide
1. Working as a recognized Co-Supervisor at Shri JJTU University, Rajasthan in the subject of Computer Science.
Membership as Reviewer for various Journals
2. International Journal Of Current Science
3. Journal of Emerging Technologies and Innovative Research
4. International Journal Of Research And Analytical Reviews
5. International Journal Of Creative Research Thoughts

Reviewer for International Conference
❖ Worked as Reviewer for Artificial Intelligence Research Paper in International Online Conference on Student's Research Paper Organized by Dr. D. Y. Patil Arts, Commerce and Science College Pimpri Pune -18 on 27th to 29th April 2022.

Member of Professional Society
❖ Member of Computer Society of India(CSI) from January 2020 to Janaury 2023

Examination Work at University Level

1. Working as a **Paper Setter/Chairman** for Pune University theory examination for the following subjects:

Sr.No	Subject	Class
1	Database Management System	MCA(Com) Sem-II
2	Advanced Database Management System	MCA(Com) Sem-IV
3	Distributed Database System	MCA(Com) Sem-V
4	Distributed Database System	MCA(Com) Sem-IV
5	Computer Hardware and Network Administration	T.Y.B.Sc(Vocational)

2. Worked as an **External Examiner for various University Practical Examinations** for the courses B.Sc.(Comp. Sci.), B.Sc.(CDS), B.C.A, M.Sc.(Comp.Sci.), M.C.A.(Commerce), M.C.A.(Science), M.Sc Tech(IMCA).

3. Worked as **Examiner and Moderator for various University Theory Examinations** (CAP) for the courses B.Sc.(Comp.Sci.), B.C.A, M.C.A(Commerce).

4. Worked as **Subject Expert for Question Bank Preparation at Indira College of Commerce and Science for S.Y.BSc(CS) and F.Y. B.Sc(Cyber Security) for Data Structures subject.**

Syllabus Restructuring Work at University Level

1. Actively participated in **University Syllabus Restructuring**:

Sr.No	Subject	Course
1.	E-Commerce	B.C.A. Sem- II
2.	Relational Database Management System	B.C.A Sem- II
3.	Object-Oriented Programming using C++	B.C.A Sem-III
4.	H/W and Configuration	M.C.A. (Commerce) Sem-III
5.	Distributed Database System	M.C.A.(Commerce) Sem-IV
6.	Adv.Database Management System	M.C.A(Science) Sem-II
7.	Distributed Database System	M.C.A.(Commerce) Sem-V
8.	Networking	B.B.A(CA) Sem-IV
9.	Dot Net Framework	B.B.A(CA) Sem-VI
10.	Introduction to Computer Hardware and Network Administration	M.Com(E-Com) Sem-IV
11	Predictive Analysis	M.Sc(Data Science) Sem-II

Personal Information	
Permanent Address:	111,Pradnya,MHADA,Sant Tukaram Nagar,Pimpri, Pune -18
Birth Date:	21st July 1983.
Email Id:	sunayanashivthare@gmail.com, skshivthare@mitacsc.ac.in
Mobile:	9890477200
Sex :	Female
Marital Status :	Married
Nationality :	Indian
Languages Known:	English, Hindi, Marathi

I do hereby declare that the information given here is correct and true to the best of my knowledge.

Dr. Sunayana Kundan Shivthare