

## Curriculum Vitae

**Name:** Dr. Shubhashree S. Savant

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**Date of Birth:** 28<sup>th</sup> March 1973



### Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/ CGPA	Class
Ph. D.	Computer Science	Department of Computer Science and IT, DBAMU	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	2022		
MCA	Computer Science	Punjab Technical University, Jalandhar	Punjab Technical University, Jalandhar	2011	80.8%	Distinction
M.Phil	Computer Science	MIT Aurangabad	YCMOU, Nashik	2009	66%	I Class
B.Ed.	Science, Maths	Government College of Education, Aurangabad	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	2000	68%	I Class
M.Sc.	Computer Science	Vivekanand College, Aurangabad	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	1995	67%	I Class
B.Sc.	Physics, Chemistry, Mathematics	Saraswati Bhuwan Science college, Aurangabad	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	1993	67%	I Class

**Key Research Areas:** Medical Image Processing

**Domain:** Programming

## Experience

Sr. No.	Organization	Post	From	To	Years	Months
1.	GSM – Red Hat Training Center CSN	Manager	7 <sup>th</sup> Oct. 2024	Till Date	0	6
2.	Maharashtra Institute of Technology, Aurangabad	Assistant Professor	30 <sup>th</sup> Aug 2022	6 <sup>th</sup> Oct. 2024	2	2
3.	Marathwada Institute of Technology, Aurangabad	Head of the Department	13 <sup>th</sup> Feb 2020	29 <sup>th</sup> Aug 2022	2	6
4.	Marathwada Institute of Technology, Aurangabad	Assistant Professor	27 <sup>th</sup> June 2009	12 <sup>th</sup> Feb 2020	10	8
5.	Marathwada Institute of Technology, N-4 CIDCO, Aurangabad	Vice Principal and Lecturer	1 <sup>st</sup> Aug. 2005	26 <sup>th</sup> June 2009	3	11
6.	Vivekanand Arts Sardar Dalipsing Commerce and Science College, A'bad	Lecturer	Aug 2001	31 <sup>st</sup> July 2005	4	0

### List of Courses Taught/Teaching at UG level

- Computer Fundamentals
- Programming in C
- OOPs using C++
- Java Programming
- Database Management System

### List of Courses Taught/Teaching at PG level

- Programming in C
- Object Oriented Programming using C++
- Core Java
- Advanced Java
- Digital Image Processing
- Artificial Intelligence

## Membership of Professional Bodies

- Life Member CSI (Computer Society of India)
- Fellow IETE (The Institution of Electronics & Telecommunication Engineers)
- Life Member IAENG (International Association of Engineers)

## Computer/Software Proficiency

- C, C++, Core Java, Advance Java, Python, LaTeX, Scilab

### **Additional Assignments/Duties**

- FC and admission officer for FYMCA admissions 2024-25, 2023-24, 2022-23
- External examiner for practical examination at Dept. of CS and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
- External examiner for practical examination at Dept. of MCA, MGM University, Aurangabad
- Training and Placement Officer (TPO) department coordinator 2023-24, 2022-23
- Chairman of Paper setting (Summer/winter Examination) appointed by Dr. BAMU for two-year MCA program AY 2023-24, 2022-23
- Chairman of Paper setting (Summer Examination) appointed by Dr. BAMU for two year MCA program AY 2021-22 and AY 2020-21
- Single Point of Contact (SPOC) for SWAYAM-NPTEL Local Chapter MIT 2019-20, 2018-19, 2017-18.
- Member of syllabus setting appointed by Dr. BAMU for 2 year MCA program AY 2020-21.
- Paper setter for MCA, M.Sc. (CS), B.Voc. (Software Development)
- FC and admission officer for FYMCA admissions 2019-20
- Member of FC and admission committee 2018-19, 2017-18 and 2016-17
- Syllabus designed for MCA CGPA 2016-17 Pattern (Programming in C, OOPs using C++, Digital Image Processing)
- ARC sub officer for MCA Admissions 2014-15.
- Result Analysis Coordinator, Teacher Guardian (TGS) Coordinator
- Kalavihangam Cultural Event Coordinator
- Zidnyasa Event Coordinator
- Chief Superintendent (CS) for the Dr. BAMU Exam.
- Class Teacher FY MCA 2017-18, 2018-19, 2019-20
- Department Time Table Coordinator, AICTE Coordinator
- Ladies Redressal Cell (LRC) Central Coordinator
- Computer Lab In-charge

### **Seminar/Workshop/Industrial Training/STTP/FDP/CEP/Conference Attended**

- Attended One-week FDP on “RH104, Getting started with Linux Fundamentals” organized by MIT RedHat Academy from 1<sup>st</sup> July to 5<sup>th</sup> July 2024
- Attended One-week FDP on “AI-Driven Educational Technologies for Enhanced Teaching and Learning” organized by K. K. Wagh Institute of Engineering Education & Research Nashik from 20<sup>th</sup> Jan to 25<sup>th</sup> Jan 2025

- Attended One-week STTP on Inculcating Universal Human Values in Technical Education organized by AICTE, New Delhi
- Attended One-week FDP on AWS, AZURE, DEVOPs & Data Science organized by Sinhgad Institute of Technology Lonavala in association with LWP Labs LLP from 21st Nov. to 25th Nov. 2022
- Attended one week FDP on Deep Learning using Medical Data organized by Finland Labs Association with NSS IIT Roorkee
- Attended One week STTP on Blended Learning and Flipped Classroom organized by AICTE Training and Learning (ATAL) Academy
- Attended One week STTP on Artificial Intelligence and Machine Learning using Python organized by Finland Labs Association with NSS IIT Roorkee
- Attended One week FDP on ICT Tools for Effective Teaching Learning organized by School of Mathematical Sciences, SRTM University, Nanded
- Attended One week FDP on Java Business Application organized by Dept. of Information Technology, Pune IIT Bombay
- Attended One week FDP on Python organized by RCPET's Institute of Management Research and Development Shirpur and IIT Bombay
- Attended Two weeks online course on LaTeX for Students, Engineers, and Scientists conducted by IIT Bombay
- Attended Two weeks online course on Basic 3D Animation using Blender conducted by IIT Bombay
- Attended One week FDP on Machine Learning, Deep Learning and Applications organized by Department of Computer Science & IT, S.B.E.S College of Science, Aurangabad
- Attended One week FDP on IOT Application Design using Raspberry organized by Dept. of EE, MIT Aurangabad
- Attended Four weeks FDP on Programming Basics organized by IIT Bombay
- Attended Four weeks FDP on Technical Communication for Scientists and Engineers organized by IIT Bombay
- Attended Four weeks FDP on Pedagogy for effective teaching-learning of CS in schools organized by IIT Bombay
- Attended Four weeks FDP on Use of ICT in Education for Online and Blended Learning organized by IIT Mumbai

- Attended One week STTP on Big Data Analytics with “R” organized by Dept. Of CSE MIT (E), Aurangabad in association with CSI (Computer Society of India)
- Attended One week FDP on Internet of Things (IoT) organized by Dept. of Electronics and Telecomm. Engg., MIT(E), Aurangabad in association with IETE
- Attended Two weeks ISTE Workshop on Cyber Security organized by IIT Mumbai
- Attended Two weeks ISTE Coordinator workshop on Computer programming organized by IIT Mumbai
- Attended Two weeks ISTE Workshop on Database Management System organized by IIT Mumbai
- Attended One week STTP on Introduction to Mainframe Systems organized by Dept. of CSE, MIT (E), Aurangabad
- Attended Two weeks workshop on Advanced JAVA Institute of Industrial & Computer Management and Research, Pune
- Attended one-week FDP on Web Development Technology organized by MCA Dept., MIT (E), Aurangabad
- Attended one-week FDP on Digital Image Processing Using Matlab organized by Dept. of Electronics and Telecommunication Engg., MIT, Aurangabad
- Attended Three weeks UGC Sponsored Refresher Course organized by Dept. of CS and IT, Dr. BAMU, Aurangabad
- Attended Three weeks UGC Sponsored Refresher Course organized by Dept. of CS and IT, Dr. BAMU, Aurangabad

#### **Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference organized**

- Organized one-week Faculty Development Program (FDP) on Android App using Kotlin organized in association with Spoken Tutorial, IIT Bombay from 27<sup>th</sup> Jan to 1<sup>st</sup> Feb, 2025
- Organized one-week Faculty Development Program (FDP) on Python 3.4.3 organized in association with Spoken Tutorial, IIT Bombay from 3-8 June, 2024
- Organized one-week Faculty Development Program (FDP) on Python 3.4.3 organized in association with Spoken Tutorial, IIT Bombay from 19/6 to 24/6/2023
- Organized one week Faculty Development Program (FDP) on Java and Android programming at Marathwada Institute of Technology, Aurangabad from 3<sup>rd</sup> to 8<sup>th</sup> July, 2017.

- Coordinated Two Weeks ISTE – IITB workshop on Computer Programming under the National Mission on Education through ICT (MHRD, Govt. of India) from 11<sup>th</sup> to 21<sup>st</sup> June 2014

#### **Invited talks delivered**

- Conducted 3-days workshop on “Problem Solving through Programming in C and Java” for BCA FY, SY students at MIT CIDCO, CSN from 20<sup>th</sup> March to 22<sup>nd</sup> March 2025
- Expert talk for Polytechnic AI and ML students on “Online Courses and Certifications” 7<sup>th</sup> Feb 2024
- Delivered session and discussion for guidance to SIH2024 team, participating in Grand Finale Shrinagar, at MIT CIDCO, CSN on 3<sup>rd</sup> Dec 2024 at 10.00 am
- Examiner/Judge poster presentation competition on 12 Feb 2024 at poster presentation completion on 12 Feb 2024 at MIT CIDCO CSN
- Expert talk for Polytechnic FY CO students on “Problem Solving through PIC and Online Certifications” 14<sup>th</sup> Feb 2025
- Expert talk for diploma Computer Science students on “Online Courses and Certifications” 6<sup>th</sup> April 2023
- Expert talk for students and faculties on SWAYAM NPTEL Courses and Online Examination at MIT CIDCO, Aurangabad 13<sup>th</sup> July 2021
- Conducted online session on NPTEL Guideline for Basic Sciences and Humanities Department, FY BTech (2021-22) MIT, Aurangabad 9<sup>th</sup> Feb 2023
- Conducted 2 days online workshop on “LaTex” organized by Department of MCA of KKWIEER Nashik, 23<sup>rd</sup> and 24<sup>th</sup> Nov. 2020.
- Expert talk for BCA and B.Sc. students MIT CIDCO on Programming Skills using C/C++

#### **Projects, Research Grants and Consultancy**

- Responsive website Saraswati Bhuvan Education Society, Aurangabad and its affiliated colleges and schools

#### **Intellectual Property Rights**

Sr. No.	Registration Number	Detailed Work	Publication Date
1	SW-15527/2022	Computer Software Work: DESIGN AN ALGORITHM FOR EPILEPSY SEIZURE PREDICTION SYSTEM	29 <sup>th</sup> June 2022

## List of Research Publications

### Papers in National/ International Journal

- Alhasan Ali Alharbi, M.G.Dhopeshwarkar, Shubhashree Savant, “Detection of Emotion Intensity Using Face Recognition” 3rd Biennial International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R, 2020) 3-4 Jan 2020.
- Shubhashree Savant, Mangesh Patil, Mukta Dhopeshwarkar, Model Development for Epileptic Stress Detection and Management International Conference on Smart Computer Applications and Innovations (ICSCAI-2018)
- Shubhashree Savant, Anjum Shaikh, Mukta Dhopeshwarkar, Detection of Epileptic Seizures using Wearable Devices: A Review IOSR Journal of Computer Engineering (IOSR-JCE) 2017
- Anjum Shaikh, Shubhashree Savant, Mukta Dhopeshwarkar, Analysis of feature ranking and feature subset algorithm for Epileptic Seizure prediction International Conference on Cognitive Knowledge Engineering ICKE-2016
- Shubhashree Savant, Sonal Sarnaik “LATEX: Open Source Documentation software: An overview” International Conference on Advances in Information Technology and Management ICAIM-2016
- Sonal Sarnaik, Shubhashree Savant “SCILAB An Open Source Software” International Conference on Advances in Information Technology and Management ICAIM-2016
- Shubhashree Savant, Mukta Dhopeshwarkar “Prediction of Epileptic Seizure: A Review” IOSR Journal of Computer Engineering (IOSR-JCE) 2016
- Akshata Kulkarni, Shubhashree Savant “A Review on Color Image Processing” International Journal of Computer Science and Mobile Applications (IJCSMA)
- Shubhashree Savant “SIVP: Scilab Image and Video Processing toolbox” Computer Society of India CSI Communications Sept. 2015
- Shubhashree Savant “Color Image Edge Detection using Gradient Operator” (Volume 4, Issue 1, Pages :55-57) January-February 2015 Impact Factor Value:3.258 ISSN 2278-6856 International Journal of Emerging Trends & Technology in Computer Science (IJETTCS)
- Arjunsingh Hajari, Balasaheb Hiwarde, Shubhashree Savant “Hadoop an Emerging solution for big data” (Vol. 2 Issue 10 pages: 1750-1752) December 2014 Impact Factor Value:3.994 ISSN (e): 2321-3418 International Journal of scientific research and management (IJSRM)
- Nilesh Kajale, Shubhashree Savant “Study of RSA Algorithm: Integer Factorization Approach for secure Data Transmission” (Vol.2 Issue 10 Pages :1587-1589) October 2014 Impact Factor Value:3.994 ISSN (e): 2321-3418 International Journal of scientific

research and management (IJSRM)

- Shubhashree Savant “A Review of Edge Detection Techniques for Image Segmentation” (Vol.5 Issue 4 Pages :5898-5900) August 2014 Impact Factor Value:2.93 ISSN 0975 – 9646 International Journal of Computer Science and Information Technologies
- Meghna Tribhuwan, Shubhashree Savant, Chitra Desai “Implementing Steganography for Data Hiding through Semantic Substitution” National Conference on Recent Trends in Computer Application NCRTCA-2010
- Mukti Jadhav, Shubhashree Savant “Detection of Drug Resistant Tuberculosis Bacteria using Microarray analysis ‘Spotfinder’” National Conference on Emerging Trends in Information Technology on Bioinformatics 2008

#### **Papers in International Conferences Proceedings**

- Shubhashree Savant, Sonal Sarnaik “Digital Watermarking Scheme for Images based on Visual Cryptography” Pre Science Congress Conference on Science and Technology for Human Development -2014

#### **Books/ Book Chapter**

- Dr. Shubhashree Savant, Seema Kute “Principles of Programming Languages” publisher Vision Publication Pune, 2023
- Alhasan Ali Alharbi, Mukta Dhopeswarkar, Shubhashree Savant, “Detection of Emotion Intensity Using Face Recognition” Recent Trends in Image Processing and Pattern Recognition RTIP2R (1), Springer Professional, 2020: 207-213,

#### **NPTEL Certification**

Start Date	End Date	Duration (in weeks)	Course Name	Marks (Out of 100)	Performance
Jan 2023	Apr 2023	12	NBA Accreditation and Teaching and Learning in Engineering (NATE)	71	Elite
Jan 2021	Mar 2021	8	Database Management System	60	Elite
Sept 2020	Dec 2020	12	Introduction to Machine Learning	59	Pass
Sept 2020	Dec 2020	12	Introduction to Internet of Things	62	Elite
Aug 2019	Oct 2019	8	Accreditation and Outcome based Learning	86	Elite + Silver



July 2019	Sept 2019	12	Programming, Data Structures and Algorithms Using Python	65	Elite
Jan 2019	Apr 2019	12	Programming in Java	98	Elite + Gold
July 2018	Sept 2018	8	Programming in C++	77	Elite
Jan 2018	Apr 2018	12	Problem Solving through Programming in C	82	Elite
July 2017	Sept 2017	8	Introduction to Programming in C	72	Elite

#### Awards, Achievements and Recognition

- Best Teacher's award (आदर्श शिक्षक पुरस्कार) from the Lions Club of Chhatrapati Sambhajanagar and the Indian Medical Association (IMA) of Chhatrapati Sambhajanagar, on 15th Sept. 2024
- Recognized as Top Performing Mentor by NPTEL IIT Madras for mentoring students for the NPTEL certification course “**Problem Solving Through Programming in C**” and “**Programming in Java**” Jan-Apr 2024
- Excellent teaching delivery for the course Advanced Java FY MCA, in the AY 2023-24 P-II based on students' feedback
- Effective teaching of the course Advanced Java FY MCA, in the AY 2023-24 P-II based on students' feedback
- Award received C.V. Raman Prize 2023 in recognition of outstanding professional and research achievements in the field of Computer Applications on Nov. 28 2023
- Mentored team at Grand Finale 2023, Sri Venkateswara College of engineering and Technology, AP Chittoor Smart India Hackathon Smart India Hackathon (SIH) Project titled “Aerial Location of Hazardous Atmosphere in Industries (Ministry of Home Affairs)” during 19<sup>th</sup> and 20<sup>th</sup> Dec. 2023
- Recognized as Top Performing Mentor by NPTEL IIT Madras for mentoring students for the NPTEL certification course “Problem Solving Through Programming in C Jan-Apr 2022
- Successfully completed and received NPTEL Domain Certification in “Programming” by NPTEL IIT Madras Apr. 2021
- Recognized as NPTEL Discipline Star by NPTEL IIT Madras Dec. 2020
- 1% Topper secured 98% with Gold Medal in “Programming in Java” online examination NPTEL IIT Madras Apr. 2019

**Date: 22<sup>nd</sup> April 2025**

**Place: Chhatrapati Sambhajanagar**