

Curriculum Vita e

Name: Priyanka Satish Sonwane

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Date of Birth: 01/07/1986



Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	Class
Ph. D.	Pursuing				
MTech.	Computer Engineering	Al-falah School of Engineering	Maharshi Dayanand University, Rohtak (Haryana)	October, 2012	First Class with Distinction
B.E.	Computer Science & Engineering	Marathwada Institute of Technology, Aurangabad	Dr. BAMU, Aurangabad	July, 2008	First Class with Distinction

M.Tech. Project: “Comparative Study of Agile Technology and Software Engineering”

PhD Research Topic: “An Explainable AI Model for Graph Neural Networks”

Area of Interest – Artificial Intelligence, Machine Learning, Explainable AI & GNN

Experience

Sr. No.	Organization	Post	From	To	Years	Months
1	Northern India Engineering College	Assistant Professor	August 19,2010	July 31,2013	3	36
2	Marathwada Institute of Technology, Aurangabad	Assistant Professor	September 28,2017	Till date	4.5	

NPTEL Certification

Sr No	StartDate	EndDate	Duration (in Weeks)	CourseName	Marks (Out of 100)	Performance
1	29/1/2019	20/04/2019	12	Social Networks	44%	Elite
2	01/1/2019	15/04/2019	12	Operating System	41 %	Elite
3	25 Jul 2022	14 Oct 2022	12	Digital Image Processing	61 %	Elite
4	25 Jul 2022	14 Oct 2022	12	Deep learning	69 %	Elite
5	Jun 2022	Oct 2022	16	Research Methodology and Statistical Analysis	42 %	
6	Jan 2023	Apr 2023	12	NBA Accreditation and Teaching and Learning in Engineering	64%	Elite

AWS Certification

- Successfully Completed the Certificate on “AWS Academy Graduate - AWS Academy Cloud Foundations”

IBM Certification

- Successfully Completed PrePhd. Course Work with Outstanding Grade 2022
- Successfully Appreciation certificate on “Data Science”
- Successfully get the Course Completion Certificate on “Machine Learning Onramp”

- Successfully get the Course Completion Certificate on “MATLAB Onramp “
- Successfully get the Course Completion Certificate on “Data Science and its Application”
- Successfully get the Course Completion Certificate on “Chatboat”
- Successfully get the Course Completion Certificate on “Data Analysis with python”
- Successfully get the Course Completion Certificate on “Data science methodology”
- Successfully get the Course Completion Certificate on “Data science tools”
- Successfully get the Course Completion Certificate on “Data visualization using python”
- Successfully get the Course Completion Certificate on “Deep Learning Fundamentals”
- Successfully get the Course Completion Certificate on “Deep Learning with TensorFlow”
- Successfully get the Course Completion Certificate on “Introduction to data science”
- Successfully get the Course Completion Certificate on “Machine learning with Python”
- Successfully get the Course Completion Certificate on “Python for data science”
- Successfully get the Course Completion Certificate on “Java Foundation”
- Successfully get the Course Completion Certificate on “Introduction to Cloud”

List of Courses Taught/Teaching at UG level

- Advanced Computer Network
- Computer Architecture
- Data mining and data warehousing
- Operating System
- Introduction to Programming Introduction to computer and AutoCAD
- Computer Programming
- Computer Architecture & Organization
- Design Analysis & Algorithm
- HTML
- Human-Computer Interaction
- Software Engineering
- Database Management System
- Machine Learning
- Data Visualization

List of Courses Taught/Teaching at PG level

- Advanced Compiler Design
- Generative AI and Prompt Engineering
- Advanced Data Engineering

Additional Assignments/Duties

- Worked as a DSY Admission Committee Member.
- Worked as Under Study (US) in May/June 2019 examination of Dr. Babasaheb Ambedkar Technological University, Lonere.
- Worked as Department Class Test Sem Coordinator .
- Worked as Department Concept Bazar Activity .
- Worked as Department Lab In Charge Coordinator.
- Worked as Department Result Analysis Coordinator .
- Worked In NBA Criteria No:3&8
- Paper Setter in the subject of Computer Networks - II (subject code: CSE354) at the TE CSE/IT Summer 2020 (Old)
- Worked in COVID-19 Survey 2020
- Worked as Department NSS Coordinator.
- Worked as Department Virtual LAB Technical Coordinator
- Anti Ragging Squad 2022-23 for Girl's Hostel
- Worked as Department Infrastructure Co-Ordinator.
- Worked as Virtual LAB Node Coordinator.
- Paper Setter for BAMU for subject Human-Computer Interaction.
- Worker as AWS Co-Ordinator (AY 2023-24 Part I ESTD)
- Worked as Department Exam Co-Ordinator.
- Worked as Department Mid Sem Coordinator.
- Worked as Department Term Work Coordinator.
- ESE Paper-setter and Examiner in the Examination of B.Tech. Second Year (CSD) Semester-IV for the course of Operating System for End Semester Examination June 2024.
- ESE Paper-setter and Examiner in the Examination of B.Tech. TY (AIDS) Semester-VI for the course of Operating System for End Semester Examination June 2024.

- ESE Paper-setter and Examiner in the Examination of MTech. Second Year (DSA) Semester-II for the course of P EL-II Generative AI and Prompt Engineering for End Semester Examination June 2024
- Worked as Department Syllabus coordinator.

Research Projects/Projects Guided

Topic Selected for PhD Research Work: “An Explainable AI Model for Graph Neural Networks”

Area of Interest – Artificial Intelligence, Machine Learning, Explainable AI & GNN

MTech Dissertation Topic – “Comparative Study of Agile Technology and Software Engineering”

UG Guide: Successfully guided more than 80 students

Computer/Software Proficiency

- C, C++ Programming
- Python
- HTML
- CSS
- Machine Learning Libraries (Numpy, Pandas, Matplotlib, Pandas)
- Data Visualization Tool (Power BI)

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

- FDP on “Use of ICT for Effective Teaching Learning” at Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar from 8-12 January, 2019.
- STTP on “Virtual Lab Development & Certification Program” at Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar from 6-11 February, 2019.
- STTP on “Python and Internet of Things” at Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar from 25-30 Jun, 2018.
- International Conference attended “International Web Conference on Impact of COVID-19 on Library Resource Sharing” at Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar from 12-13 Jun, 2020.

- International Conference attended “Various Opportunities for Entrepreneurship – Post Covid-19” at SMT KashibaiNavale college of Engineering, Pune on 2 June 2020
- FDP on "Internet of Things: Product Design, Development and Implementation" at Shri Sant Gajanan Maharaj college of engineering, Shegaon, from 02-06 August,2021
- FDP on “G Suit & Allied Tools in Education. Teaching & E-content Development” at Sant Gadge Baba Amravati University, Amravati from 29 June-04 July 2020.
- FDP on “Data Science and Tools and Research” at VIIT ,Pune from 1-5 November 2022
- STTP on “Machine Learning and Social Networking” organized by Department of Computer Technology and Internal Quality Assurance Cell from 2nd July to 4th July 2020.
- STTP on “Image Processing and Data Science with MATLAB (IP&DSWM 2020)”, organized by Department of Information Technology, Government College of Engineering, Chhatrapati Sambhajinagar, during 07th July to 11th July 2020
- FDP on “Data Science and its Application” at Abha Gaikwad -Patil College of Engineering, Nagpur from 30 December to 5 January 2022
- FDP on “Inculcating Universal Human Values in Technical Education” at Maharashtra Institute of Technology, Chhatrapati Sambhajinagar from 21-23 Dec, 2022.
- FDP on “UHV II” at Maharashtra Institute of Technology, Chhatrapati Sambhajinagar from 06- 10 Feb , 2023.
- FDP on “Cognitive Computing for Smart Application”, organized by AIDS DEPT from Vishwakarma Institute of Information Technology from 18 -24 March 2024.
- FDP on “Business Intelligence with Advanced Excel & Power BI”, organized by Maharashtra Institute of Technology, Chhatrapati Sambhajinagar from 13 -15 Feb 2024.
- FDP on “Mastering AI Tools for Faculty Excellence”, organized by Department of CSE- Artificial Intelligence and Machine Learning, Vishwakarma Institute of Information Technology, Pune from 23 -27 Dec 2024.

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

- Organized a one-week Faculty Development Program on **Virtual Lab development and Certification program** at Department of Computer Science & Engineering, Maharashtra Institute of Technology, Chh. Sambhajnagar, from 6-11 February, 2019.
- Organized a two days Faculty Development Program on **Smart Application and Innovation at Maharashtra Institute of Technology** at Department of Computer Science & Engineering, Maharashtra Institute of Technology, Chh. Sambhajnagar, from 21 to 22 December 2018.
- .Organized a one-week Faculty Development Program on “**Business Intelligence with Advanced Excel & Power BI**” at Department of Computer Science & Engineering, Maharashtra Institute of Technology, Chh. Sambhajnagar, from 13-17 February 2024.

List of Research Publications

Papers in National/International Journal

1. “**Building of an effective decision support system with data mining and warehousing**” organised at Al-Falah School of Engineering & Technology, Faridabad held on 10.08.2010. Conference theme was “Advances in VLSI, Embedded and communication”, at Page nos. 65-74.
2. “**Productive and enhancement value addition of green IT projects in organization**” organised at Northern India Engineering College, New Delhi held on 25.03.2011. Conference theme was “Advancement in cloud computing and green IT Technology”, at Page nos. 266-274.
3. “**Black – box: A quality improvement software testing method**” organised at Al-Falah School of Engineering & Technology, Faridabad held on 21.04.2011. Conference theme was “Emerging trends in computer science and information technology”, at Page nos. 268-271.
4. “**Role of green IT in solving environmental problems**” organised at Al-Falah School of Engineering & Technology, Faridabad held on 22.04.2011. Conference theme was “Climate change and environment”, at Page nos. 119-122.

5. **“Quality Assessment in Partition Based Clustering”** organized at Northern India Engineering College, held in Department of IT, New Delhi held on 14-15 October, 2011. Conference theme was “Information and Network Technology”, at Page nos.65-69.
6. **“A quality improvement software testing method”** organised at Northern India Engineering College, New Delhi held on February, 2012. Conference theme was “ Emerging information technology and its solutions”, at Page nos.163-170.

Papers in International Conferences Proceedings

1. **“An Agile methodology for software development”** published in journal of Global Sci-Tech, April-June, 2012, Volume-4, Number-2, ISSN No. 0975-9638

Awards, Achievements and Recognition

- I received a Certificate of Appreciation from IQAC Cell, MIT for quality teaching-learning process in the course Operating System for class TY AIDS 2023-24 Part-2.
- I received a Certificate of Appreciation from IQAC Cell, MIT for quality teaching-learning process in the course “Machine Learning” for class TY CSD 2024-25 Part-1.

Date:

Place: Chhatrapati Sambhaji Nagar
