

Curriculum Vitae

SALMANI SAKINA BANU

Assistant Professor, Computer Science and Engineering Department.

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- LinkedIn Profile: Sakina Salmani

Objective:

Dedicated and innovative Assistant Professor with a robust research background in machine learning, cybersecurity, and information retrieval. Committed to fostering academic excellence and mentoring students to achieve their highest potential. Seeking to leverage my expertise and passion for teaching in a dynamic academic environment.

Professional Experience

- Working as Assistant Professor at Sardar Patel Institute of Technology (SPIT) from 1st July 2014 till Date.
- Worked as Visiting Faculty at D.J.Sanghvi College of Engineering (DJSCOE) since 6th Jan 2014 till April 2014.
- Worked as Assistant Professor at Sardar Patel Institute of Technology (SPIT) from 1st July 2013 till 31st October 2013.
- Worked as Visiting Faculty at D.J.Sanghvi College of Engineering (DJSCOE) since 7th Jan 2013 till April 2013.
- Worked as Visiting Faculty at B.L.Amblani College of Commerce and Economics from 11th October 2012 till 2nd March 2013.

Educational Qualification				
Examination Course	Board/University	Month & Year of Passing	College/ Institution	Percentage
Ph.D (Computers)	Mumbai University	Pursuing	Sardar Patel Institute of Technology	--
M.E.(Computer)	Mumbai University	2015	D J Sanghvi College of Engineering	84.4% CGPA:8.88/10
B.E.(Computer)	Mumbai University	2012	Rizvi College of Engineering	74.9%
H.S.C (Science)	MSBSHSE	2008	Sophia College	81.50%
S.S.C	MSBSHSE	2006	Canossa High School	77.33%

**Paper
Published**

National Conference	Paper Presented and Published in “National conference” on New Horizons in IT in MET ICS, Mumbai on “ Analysis of DOM Based Automatic Web Content Extraction ” in November 2013.
International Conference	Paper Presented and Published in “International conference – PRAGYANAM -14” in SAKP-Mumbai on “ Improved Apriori Algorithm for Efficient Information Retrieval ” in January 2014.
	Paper Presented and Published in “International Conference on Advanced Computing Technologies and Applications (ICACTA)” on “ Predicting User’s Web Navigation Behavior using Hybrid Approach ” in March 2015.
	Paper Presented and Published in “International Conference on Computing Methodologies and Communication (ICCMC 2017)” on “ Efficient Heart Disease Prediction System using Optimizat Technique ” held on 18-19, July 2017 by Surya Engineering College (SEC), Erode, India
	Paper Presented and Published in “International Conference On Intelligent Computing And Control - ICCS 2019” on “ Deepfake: A Survey On Facial Forgery Technique Using Generative Adversarial Network ” held on 16 th May,2019 by Vagai College of Engineering.
	Paper Presented and Published in “International Conference On Communication, Information And Computing Technology (Iccict-2021)” on “ Improving whatsapp Video Statuses using FFMPEG and Software based encoding ” held during 25-27 June,2021 by Sardar Patel Institute of Technology.
	Paper Presented and Published in “International Conference On Communication, Information And Computing Technology (Iccict-2021)” on “ Analysis of Anxiety and Depression in Gaming Individuals ” held during 25-27 June,2021 by Sardar Patel Institute of Technology.
	Paper Presented and Published in “International Conference On Communication, Information And Computing Technology (Iccict-2021)” on “ Hybrid Movie Recommendation System Using Machine Learning ” held during 25-27 June,2021 by Sardar Patel Institute of Technology.
	Paper Presented and Published in 3rd Asian Conference on Innovation in Technology (ASIANCON), 2023,page 1-6 on “ Food Genie, Recipe Search Algorithm Using Web Scraping ”
	Presented and Published a paper entitled “ Secure Authentication via Encrypted QR Code ” in 9 th International Conference for Convergence in Technology (I2CT) during 5 th & 7 th April 2024.
	Presented and Published a paper entitled “ Comparative Analysis of SVM, Decision Tree, Random for Crop Recommendation ” in 2 nd Intelligent Data Communication Technologies and Internet of (IDCIoT), 4-6 Jan. 2024.
International Journal	Paper Published in “International Journal of Engineering Research and Technology (IJERT)” on “ Elimination of noisy information from Web Page using DOM and Ant Colony Optimization ” in February 2014.
	Paper Published in “International Journal of Science and Engineering Development Research (IJSER)” on “ Prevention, Detection and Mitigation of Cross Site Scripting Attacks in Web Applications ” in April 2016.
	Published a paper entitled “ An Overview of the Math behind the working of Recommendation ” in Journal of Xidian University, An UGC-CARE Approved Group 2 Journal ISSN NO: 1001-2400, Impact Factor: 5.4, April 2024.

Extra Curricular Activities:

2023-2024
Delivered a Session on "Hands-on Supervised Machine Learning Algorithm with Applications" on 8 th and 9 th September, 2023 at SVKM's Shri Bhagubhai Mafatlal Polytechnic.

Attended ATAL FDP AT Sardar Patel Institute of Technology on “Generative AI : Concerns and Solutions “ from 1st January-6th January 2024.
Delivered Hands-on Session for ISTE- Approved STTP on "Large Language Model" on 8th February,2024 at Bhagubhai Mafatlal Polytechnic.
Delivered a Session on "Design Thinking, Critical Thinking and Innovation" for Pravara Rural Engineering College for around 200 students Under IIC Mentor Mentee Program 2024 on 13th February, 2024.
Attended Faculty Enrichment Program held on 27th February,2024 at LTIMindtree, Mensa Campus, Mahape, Navi Mumbai.
Delivered a session on "Intellectual Property Rights" at NMITD DES on 5th April, 2024.
Delivered a session on "Prototype/Process design and Development" at Thakur Institute of Management studies, Career development Research on 25 May 2024.
conducted a session on "Intellectual Property Rights" on 15th June 2024 at Theem College of Engineering, Boisar, Thane, Mumbai 401501 .
Delivered 3 Sessions for “Startup Stories Series” on 17th Feb 2024 - UpGrade, 4th April 2024 - Vedant, 5th April 2024 - Unacademy at Sardar Patel Institute of Technology.

2022-2023
Mentoring for competition "Smart India Hackathon,2022" , Winner Team, at VNR Vigana Jyothi Institute of engineering and Technology, from 25/8/22 to 26/8/22.
Mentored students in Adobe Analytics Challenge 2022, from 19/9/2022 to 20/10/2022
Member of the publicity committee in SPICON-2022, at Sardar Patel College of Engineering.
Reviewer in SPICON-2022 at Sardar Patel College of Engineering.
Worked as Organizing Committee member, in AICTE ATAL FDP "Institutional Building : Academic Leadership for excellence in Higher Education" from 05/12/22 to 16/12/22.
Completed Internal examination for National Initiative for Technical Teachers Training , Module 1_ Orientation Towards Technical Education and Curriculum Aspects, Module 2_ Professional Ethics & Sustainability, Module 3_ Communication Skills, Modes & Knowledge Dissemination.
Completed Basics of IPR Course from Turnip Innovations by Dr, Deepika Singh.
Conducted a session on “Intellectual Property Rights” on 19th August, 2022 at Sardar Patel Institute of Teehnology.

2021-2022
Conducted AICTE-ISTE sponsored STTP on: “ Artificial Intelligence and Robotic Process Automation: Tools, Techniques, Challenges and Solutions ” from 19th to 25th January, 2022
Attended one day National Webinar on “ Art of Design Thinking ”, held on June 12, 2021

through online pedagogy by Satyabhama institute of Science and Technology .
Worked as Track Coordinator in the Research Colloquium conducted in alliance with International Conference On Communication, Information And Computing Technology (Iccict-2021) on 26th June,2021.
Participated a poster with title “ Detection and Localization of Forged Digital Images ” in the Research Colloquium conducted in alliance with International Conference On Communication , Information And Computing Technology (Iccict-2021) on 26th June,2021.
Worked as Faculty Co-ordinator for one week IEEE Entrepreneurship Bootcamp,2021 held from 5 th July-10 th July,2021 organized by IEEE Bombay section in collaboration with other institutes and Organizations.
Coordinated and mentored the students for EG-100 Game Challenge and won 3 rd place for the Challenge organized by IEEE Bombay Section and CDAC Mumbai on 10 th July,2021.
conducted HANDS-ON SESSION on “ Features and Functionality of Figma tool for UX designing ” at K J Somaiya Institute of Management on 14th September, 2021, Tuesday.
Attended National level WEBINAR on Current Trends in Research & Innovation, Research Paper Publication and presentation, IPR and Patents, Research Projects & Fundraising Topics organized by IAE in collaboration with the Collegiate Education & Technical Education Department Govt of Telangana from 27 th -31 st August 2021.
Completed Two weeks online credit course on " Research and Publication Ethics for Ph.D. students " from 15th November to 30th November 2021 organized by Sardar Patel Institute of Technology in association with University of Mumbai and have earned consolidated score of 92% and achieved the Grade of “AA
Cleared NITTTR Module 4 course: Instructional Planning and Delivery in February,2022.
Cleared NITTTR Module 6 course: Student Assessment and Evaluation in February,2022.
Conducted a Hands-on session for the topic “Figma tool for Design” at Bhagubhai Polytechnic, VileParle on 8th April,2022.
Conducted Hands-on session in STTP on "Machine Learning with IoT" on the topic “ "Getting started with Python and R language", on 14th march, organized by Bhagubhai Polytechnic, VileParle
Attended 3 day residential programme IEEE Teacher’s Congress organized by IEEE Bombay Section from 25-27 May,2022
Conducted a Hands-on session for the topic “Image Processing Techniques” at Sardar Patel Institute of Technology on 8th April,2022.
Conducted a Hands-on session for the topic “Partition and fragmentation in Databases” at Sardar Patel Institute of Technology, on 8th April,2022.

June 2020- May 21

- Actively participated in **organizing** following STTP’s:
- AICTE STTP1- “Outcome Based Education: Critical Issues and Solution (A Case Study Approach): Philosophy and Design of Outcome Based Education (OBE)” (Duration: One Week, Date: 30th Nov-5th Dec)
- AICTE STTP2- “Outcome Based Education: Critical Issues and Solution (A Case Study Approach): Implementation of Outcome Based Education (OBE) for Holistic Development” (Duration: One Week, Date: 4th Jan, 2021-9th Jan, 2021)
- Attended 3 Days National Level FDP on "Protecting YOU in CyberSpace" from 1st to 3rd June, 2020, organized by Pillai College of Engineering.

- Attended AICTE ATAL FDP – “Quantum Computing “ (Duration: One Week, 18th January, 2021 to 22nd January, 2021) Organized by TCET.
- Attended AICTE Approved FDP – “Insights into Intelligent Automation, Machine Learning and Data Science :Artificial Intelligence and Machine Learning” (Duration: Two Weeks, 17th Nov 2020 to 29th Nov 2020) Organized by BVB's SPIT Mumbai.
- Attended Online FDP- “Cyber Attacks and Digital Forensics” (Duration: One Week, 20th July,2020- 24th July,2020) organized by MGIT in collaboration with Indian Servers.
- Attended One Day workshop –“Sequel App” (Duration: One Day, 16th Jan 2021) Organized by Electronics and Telecommunication Engineering Department of Sardar Patel Institute of Technology, Mumbai.
- Completed AICTE ATAL Academy One week Online FDP on Blockchain from 22nd June to 26th June,2020 at JNTUA college of Engineering, Pulivendula.
- Completed a course on coursera of “ Introduction to User Experience Principles and Processes” from University of Mitchigan on 8th September,2020 with 78%.
- Cleared NPTEL certification of "Introduction of Machine Learning" in Elite Category with score of 65% in January 2021.
- Cleared NPTEL certification of "Deep Learning" in Elite Category with score of 67% in January 2021.
- Cleared NITTTR Module 5 course: Technology Enabled Learning and Life-long Self- learning with score of 93/100 in April 2021.
- Cleared NITTTR Module 7 course: Creative Problem Solving, Innovation and Meaningful Research and Development with score of 79/100 in April 2021.

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2019-20

- Attended 4 days Webinar Series on “Machine Learning and Artificial Intelligence” from 23rd May to 27th May,2020 organized by S.P.I.T, Mumbai.
- Completed One week FDP on “Data Science” organized by Fr.CRCE, from 26th May to 30th May, 2020.
- Have completed a course offered by Kaspersky on “ Stay Safe- Stay Secure” on 23rd April, 2020.
- Attended one day webinar on “Ethical Hacking” on 25th May,2020 organized by SAKEC, Chembur.
- Have completed AICTE-ISTE approved One week Induction/Refresher Programme on “Hands on Modern 3D Modelling and Printing Techniques” from 2nd December to 7th December,2019 at S.P.I.T.
- Have Worked in Organizing Committee member for one week AICTE-ISTE approved course of “Hands on Modern 3D Modelling and Printing Techniques” from 2nd December to 7th December,2019 at S.P.I.T.
- Attended one day webinar on “COVID-19 Disruption to Infiltrate Organisations Networks - No Mercy From Cyber Hackers” on 12th May,2020 organized by Gautam Buddha University, Noida.
- Completed an online course of “Cyber Security Roles, Processes and Operating System Security” a non-credit course authorized by IBM and offered through Coursera, with securing 89% grade on 30th May,2020.
- Completed an online course of “Detecting and Mitigating Cyber Threats and Attacks” a non-credit course authorized by University of Colorado System and offered through Coursera, with securing 84% grade on 27th April,2020.
- Completed “Autopsy 8-Hour online Training” by Basis Technology, on 18th April, 2020.
- Completed one week “ICSI | CNSS Certified Network Security Specialist” course on 15th May, 2020.

2018-19

- Conducted Expert Lecture for User Experience Design on 4th September,2018 at BVMIT.
- Conducted Orientation Programme for MCA Sem V for Faculties on User Experience Design at Sardar Patel Institute of Technology on 7th July,2018.
- Participated in FDP on Cyber Security: Hands on Industrial Training held on 7th and 8th July,2018 at S.P.I.T.
- Completed One day workshop on “Moodle Learning Management System”, held at S.P.I.T, Organized by Organized by Teaching Learning Centre, IIT Bombay on 15 March 2019.

2017-18

- Have attended ACITE-QIP sponsored one week STTP on “Spatial Data, Data Mining and Analytics” organized by VJTI, from 26th -31st March,2018.
- Worked as Judge for “Research and Development Committee Technical Paper Presentation Competition 2018” Conducted by S.P.I.T, held on 13th April,2018.
- Completed One month Residential Induction Training Programme , conducted by Teaching Learning Centre, IIT Bombay, from 28 November 2017 to 20 December 2017 under PMMMNTT, MHRD,GOI.

2016-17

- Conducted Orientation Programme for University Teachers of MCA for the subject of DMMM on 9th February,2017.
- Delivered an Expert Lecture on “**Writing and Implementing a Research Paper**” for MCA Students, at S.P.I.T on January,2017.
- Worked in “Organizing Committee” for One Week ISTE-STTP on “**Writing a Research Proposal**”, Conducted by MCA & IT Department, S.P.I.T, from 7th to 11 November, 2016.
- Conducted one day event for students of NGO named “**Abhyudaya**”, on 4th November, 2016.
- Conducted Two days hands-on workshop on “**Cyber Security**” organized by MCA & IT department of S.P.I.T on 8th and 9th October, 2016.

2015-16

- Judged “**Departmental Technical Paper Presentation Competition**” conducted by S.P.I.T on 1st April, 2016.
- Worked in “**Organizing Committee**” for Two Day Workshop on “**Research Paper Publication and Patent Search**” technically sponsored by **IEEE Bombay Section** conducted by S.P.I.T. on February 5-6,2016.
- Organized One day Workshop on “**Cyber Security**” at S.P.I.T on 3rd October,2015.
- Attended workshop on **security** by Skynet secure solutions on 7th October, 2015.

2014-15

- Participated in two weeks STTP conducted by IIT Kharagpur on “**Introduction to Complexity and Design**” from 27th April to 30th May,2015 at Sardar Patel Institute of Technology, securing grade “A”.
- Attended One day Faculty Development Programme (FDP) on “**Data Warehousing and Data Mining**” at Sardar Patel Institute of Technology on 30th March 2015.
- Attended ISTE approved STTP at Thadomal Shahani Engineering College on “**Linux Network Programming**” from December 15th 2014 to December 19th 2014.
- Worked as member of “**Technical Support Team**” for 102nd Indian Science Congress held at University of Mumbai, from January 3rd to January 7th, 2015.
- Worked as member of “**Web Publication**” for International Conference on communication, Information and Computing Technology (ICCICT), 2015 organized by Sardar Patel Institute of Technology from January 15th to January 17th, 2015.

Subjects Taught

Human Computer Interaction, Cyber Security, System Modeling and Simulation, Data Mining, Image Processing, Structured Programming Approach, User Experience Design, Mobile Programming (Android, Ionic), Animation using Blender, Deep Learning, Ethical Hacking, Design and Analysis of Algorithms, Intellectual property Rights.

Membership Details

ISTE Membership no: LM102080
IEEE Membership no: 9809982

Personal Details

Date of Birth : 30th June, 1990.
Marital Status : Married.
Language proficiency : English, Hindi, Marathi, Urdu.

DISCLAIMER

I do hereby declare that all the above mentioned particulars are true to the best of my knowledge.

Thanking You.

Regards,
SALMANI SAKINA BANU

Place: Mumbai