

# SUMRANA SIDDIQUI

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Hyderabad, India.

## Academic Qualifications

Year	Degree/Certificate	Institute	Marks
2022-	PhD in Computer Science	GITAM University - Hyderabad Campus	Pursuing
2012-2014	Master's in Technology(CS)	Jawaharlal Nehru Technological University	83%
2003-2007	Bachelor of Engineering (CSE)	Osmania University	82%

## Professional Experience

### Assistant Professor | Deccan College of Engineering and Technology

(Oct '09 - Aug '24)

- Awarded for teaching excellence and implementing best instructional practices across the engineering faculty.
- Led programming modules in C & C++, Data Structures and Algorithms, Software Engineering, and Information Security.
- Mentored students on major and mini-projects, establishing a structured mentoring program for engineering students.
- Organized and managed various technical events, enhancing the college's academic and industry engagement.

### Assistant Professor | Royal Institute of Technology and Sciences

(Sep '07 - Jun '09)

- Organized and facilitated IT workshops, enhancing students' technical skills and practical knowledge.
- Administered online examinations, ensuring effective and secure assessment processes.
- Participated in an international conference on Engineering and Management advancements, contributing to professional development and knowledge exchange.

## Skills

- **Research interest:** Clustering, Image Segmentation, Internet Of Things (IoT)
- **Subject Expertise:** Data Structures & Algorithms, Design & Analysis of Algorithms, C, C++
- **Programming and Analysis:** Python, C, C++, HTML, JavaScript, MS Excel, MS Word, MS Powerpoint.
- **Communication and Interpersonal Skills:** Communication, Critical Thinking, Decision-making, Creative Thinking, Problem-Solving, Analytical and Data-driven Mindset, Teamwork, Research-focused

## Project Mentorship

- Robotic Arm Using Machine Learning. (2024)
- Intrusion Detection System Using Machine Learning. (2024)
- Click-Through Rates in Online Advertising Using Machine Learning. (2024)
- CRPTOKET - A Web3 NFT Marketplace. (2023)
- Online Based Voting Using Blockchain. (2023)
- Web3.0 Based Blockchain Application Implementing Ethereum Smart Contracts. (2023)
- An Efficient Spam Detection Technique For IOT Devices Using Machine Learning. (2023)
- A Three Layer Privacy-Preserving Cloud Storage Scheme Based On Soft Computing. (2021)
- Light Weight Security And Data Provenance For Multihop Internet Of Things. (2021)
- Simulation And Study Of Blackhole Attack On Manets. (2020)

## Journals

- [Intrusion Detection System Using Machine Learning](#), International Journal Of Engineering & Science Research, UGC Approved Journal. **ISSN NO: 2320-9763, April-June, Vol-14, Issue-2, 1456- 1467, 2024.**
- [Robotic arm using artificial intelligence](#), International Journal of Information Technology and Computer Education. **ISSN: 2347-3657, Vol 12, Issue 2, 2024.**
- [Multiclass Weather Classification on Single Image Using Artificial Intelligence](#), International Journal of Information Technology and Computer Education. **ISSN 2347-3657, Volume 11, Issue 4, Dec 2023.**
- [An Analysis of Advanced Authentication Techniques Emerging in Information Security](#), IJSRD - International Journal for Scientific Research & Development. **ISSN: 2321-0613, Vol. 4, Issue 02, 2016.**
- Understanding the Factors Influencing Click Through Rates in Online Advertising, International Journal Of Applied Science Engineering, UGC Care Approved, Group I, Peer Reviewed, Bilingual and Referred Journal. **ISSN: 2454-9940 Vol. 18, No. 2, 2024.**
- Distributed of services in SDN using machine learning, International Journal of Gender, Science & Technology UGC Care Group I Journal. **ISSN: 2040-0748 Vol-13 Issue-01 May 2024.**
- Privacy-Preserving and Untraceable Group Data Sharing Scheme in Cloud Computing, International Journal Of Technical Education. **ISSN 0971-3034, Volume,12 Issue,1 April,2024.**
- An Analysis On Security Attacks And Their Defensive Measures In The Field Of Information Security, International Journal of Multidisciplinary Research Centre. **ISSN: 2454-3659 (P), 2454-3861(E) Volume II, Issue 4 April 2016.**