CURRICULUM VITAE

PERSONAL INFORMATION

ADITI TULCHHIA

D-193, Sharda Dream City
Bhilwara (Raj.)
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aditi.tulchhia@gmail.com

Date of birth: 12 Aug 1992 | Nationality: Indian

POSITION: Looking for a position of an Assistant Professor in the department of Computer Science and Applications which will make me grow technically and professionally while being resourceful and flexible for the society.

EDUCATION

Pursuing	**PhD Computer Science and Applications** Rajasthan Technical University, Kota Research Centre: IIIM, Mansarovar, Jaipur Supervisor: Dr. Monika Rathore(Associate Professor, IIIM)
2016	**Master of Computer Applications (MCA)** IIIM, Mansarovar, Jaipur (Raj.)
2013	**Bachelor of Computer Application (BCA)** Mewar Girls College, Chittorgarh (Raj.)
2010	**Sr. Secondary (XII)** Hind Zinc School, Chittorgarh (Raj.)
2008	**Secondary (X)** Hind Zinc School, Chittorgarh (Raj.)

ACHIEVEMENTS

- Obtained **Grade "A+"** in UGC Approved STP on "**Design & Development of E-Content for Online Learning and MOOCs**" from 22-27 April 2024.
- Resource Person in "**Capacity Building & Personality Development Programme**" Supported by "**National Commission for Women (NCW) New Delhi**" Organized by IQAC Sangam University.
- National Eligibility Test (NET) Qualified- December 2018
- National Eligibility Test (NET) Qualified- June 2019
- National Eligibility Test (NET) Qualified- December 2019
- GATE 2018 Qualified

PATENTS

1. **Title of Invention:** A Smart Electronic Shopping Cart System based on IoT & Sensors
   Application No.: 202241050257 **Application Type:** Ordinary Application
   Date of Filing: 02/09/2022 **Date of Publish:** 09/09/2022

BOOKS & CHAPTERS

1. Chapter in "Trends in AGRICULTURE Using IoT" titled "**Weather Forecasting in Real Time Using IoT and Machine Learning**", published by AkiNik Publications (ISBN: 9789355701114).

RESEARCH PUBLICATIONS

1. Aditi Tulchhia, Dr. Monika Rathore, **"An Improved Predictive Analysis of Brain Tumor Using ResNet50 and ResNet34"**, European Chemical Bulletin (ISSN: 2063-5346) Special Issue on Computer and Engineering Eur. Chem. Bull. 2023, 12(Special Issue 10), 1762 – 1771.

2. Ankit Porwal, Aditi Tulchhia, Deepak Chhaparwal "**An Energy Model for the IoT: Secure Networking Perspective**", Anvesak (ISSN: 0378-4568), Vol. 53 No. 5A(II), January-June 2023.

3. Aditi Tulchhia, Dr. Monika Rathore "**Brain Tumor Detection From MRI Images Using Anisotropic Filter and Segementation Images Processing**" Neuro Quantology (ISSN: 1303-5150) Volume 20, Issue 9, November 2022.

4. Ankit Porwal, Aditi Tulchhia "**A Comparative Analysis of Decision Tree, KNN, Naïve Bayes and Neural Network for Student Performance Prediction**", Mukt Shabd Journal (ISSN: 2347-3150) Volume XI, Issue III, March 2022.

5. Aditi Tulchhia, Dr. Monika Rathore, "**Random Forest Model for Classification of Raisins Using Morphological Features**", OORJA International Journal of Management & IT (ISSN: 0974-7869), Volume 19/ No. 1 January-December 2021.

6. Aditi Tulchhia, Dr. Monika Rathore, "**A Survey On Overall Survival Prediction Of Brain Tumor Patients Using Machine Learning and Gradient Boosting Techniques**", Webology (ISSN: 1735-188X), Volume 18, Number 4, 2021

7. Rupinder Kaur, Amita Kashyap, Aditi Tulchhia,"**A Real Time Randomized Degradation Technique to detect the Underwater Object using CNN**" Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162 Volume 7 Issue 2, February 2020.

8. Rupinder Kaur, Amita Kashyap, Aditi Tulchhia "**THE DEGRADATION TECHNIQUE OF RANDOMIZATION THROUGH CONVOLUTION NEURAL NETWORK FOR SUBMERGED OBJECTS**" International Journal of Advanced Science and Technology Vol. 29,No. 5s, (2020), pp. 1341-1347.

9. Aditi Tulchhia, Shefali Sharma, Dr.Blessy Thankchan, "**Internet of Things – Services They**

Are Providing and Their Applications", National Conference on "Emerging Trends in Engineering, Science and Technology", 2019.

10. Aditi Tulchhia, Dr. Monika Rathore, "**A Literature Survey on Big Data Analytics in Context ofSmart Cities**", International Journal of Modern Electronics and Communication Engineering (IJMECE) ISSN: 2321-2152 Volume No.-6, Issue No.-6, November, 2018.

CONFERENCES

1. Ankit Porwal, Aditi Tulchhia, Deepak Chhaparwal, "**Advanced Random Forest Classification Model for Precise Identification of Raisins Using Comprehensive Morphological Feature Analysis**", International Conference on Analytical & Interdisciplinary Research (ICAIR 2025).

2. Ankit Porwal, Aditi Tulchhia, Deepak Chhaparwal, "**DETECTION OF CREDIT CARD FRAUD VIA DATA ANALYTICS: A COMPARATIVE ANALYSIS**", International Conference on Analytical & Interdisciplinary Research (ICAIR 2022).

3. Aditi Tulchhia, Dr. Monika Rathore, "**Big Data Analytics and Smart Cities: A Literature Survey**", International Conference on Management & IT (ICMIT-2018).

REVIEWER & EDITOR

1. Editor in "Sovenier" Abstract book of International Conference on Analytical & Interdisciplinary Research (ICAIR 2022).

2. Reviewer in EquinOCS ANTIC-2022.

TEACHING / RESEARCH EXPERIENCE

23 Sep 2021- Present	Assistant Professor, Department of Computer Science, SOET Sangam University, Bhilwara (Raj.)
3 Oct 2019- 10 May 2021	Assistant Professor, Department of Computer Science Jaipur National University Jaipur (Raj.)
15 Jul 2017- 25 Aug 2019	Lecturer, Department of Computer Science AKC College, Chittorgarh (Raj.)
11 Jul 2016- 22 Apr 2017	Lecturer, Department of Computer Science Mewar Girls College, Chittorgarh (Raj.)

PROFESSIONAL DEVELOPMENT

20-02-2025 to 28-02-2025	**NEP Orientation & Sensitization** MMC-062-2025-FEB-B-03373 (20-02-2025 to 28-02-2025) from UGC- MMTTC, DAVV, Indore.
22 Apr-27 Apr 2024	UGC Approved STP on "**Design & Development of E-Content for Online Learning and MOOCs**"

14 Mar-20 Mar 2023	Participated in the One Week Faculty Development Programme on "Machine Learning: Concepts and Applications"
12 Apr- 13 Apr 2022	Participated in the Faculty Development Workshop on "Outcome Based Education & its Implementations".
21 Mar- 25 Mar 2022	Participated in AICTE recognized Short Term Course on "Free Software and Resources for Technical Education through ICT" by NITTTR Chandigarh.
7 Mar- 11 Mar 2022	Participated in 5 days Global E-FDP on "Unleashing Research Potential: Global Trends and Practices".
20 Dec- 24 Dec 2021	Participated in Faculty Development Program by Internal Quality Assurance Cell (IQAC), Sangam University, Bhilwara
02 Aug – 03 Aug 2020	Participated as Mentor of team "DIGIPHOENIX" in "Smart India Hackathon 2020".
03 Feb 2020 – 07 Feb 2020	Participated in the AICTE Recognized FDP (NITTTR) on Big DataAnalytics
14 Oct 2020 – 18 Oct 2020	Participated in the AICTE Recognized FDP (NITTTR) on Data Science Using R

PERSONAL SKILLS

Communication skills	☐ Good communication skills which helps me to understand my students and customizing my teachingpattern, which helps students to get their best. ☐ Can communicate in English and Hindi ☐ Adaptable to multicultural environments. ☐ Considerate and Patient.
Technical skills	• **Operating System: -** Windows 2000, XP, 7,8 • **Language:** C, C++, Java, VC++, .NET • **DBMS:** SQL, ORACLE • **Web Technology:** HTML, CSS, JS, JSP, Servlets • **Tools:** RapidMiner, Weka, Android Studio

DECLARATION

I hear by declare that the above mentioned information is correct up to my knowledge and I bear that responsibility for correctness for above details.

Date: 21-May-2025   [Aditi Tulchhia]

Place: Bhilwara