

**Name Dr. Bhoomi Shah**

**Designation: Assistant Professor**

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School: Technology



**Research Interest:**

- Deep Learning, Computer Vision, Image Processing

**Academic Background:**

Degree	Subject	University	Year
Ph.D	Computer Science & Engineering	The M.S.University of Baroda	2024
M.C.A	Computer Application	Veer Narmad South Gujarat University, Surat	2008
B.Sc	Computer Science	Veer Narmad South Gujarat University, Surat	2005

**Professional Experience:**

From	Period	Position	Organisation
<u>01/10/2021</u>	<u>24/07/24</u>	<u>Assistant Professor</u>	<u>Dept. of Comp. Application, FOS, The M.S.University of Baroda</u>
<u>01/07/19</u>	<u>30/09/21</u>	<u>Temp. Assistant Professor</u>	<u>Dept. of CSE, FOTE, The M.S.University of Baroda</u>
<u>10/06/16</u>	<u>30/06/19</u>	<u>Programme Officer</u>	<u>Head Office, The M.S.University of Baroda</u>
<u>18/11/10</u>	<u>31/05/13</u>	<u>Temp. Assistant Professor</u>	<u>Dept. of CSE, FOTE, The M.S.University of Baroda</u>
<u>22/12/2008</u>	<u>31/10/10</u>	<u>Lecturer</u>	<u>Narmada College of Computer</u>

			<u>Science &amp; Engg,Bharuch</u>
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### Teaching Engagements:

Title	Course Code	Class Name	School Name
<b>Python Programming</b>		<u>B.E</u>	<u>Technology</u>
<b><u>Software Engineering</u></b>		<u>BCA,BE</u>	<u>Science &amp; Technology</u>
<b><u>Object oriented Programming</u></b>		<u>BCA,BE</u>	<u>Science &amp; Technology</u>

### Publications:

1. **AODV Protocol Suitability for Collision Avoidance Systems (2024) ” International Journal of Intelligent Systems and Applications in Engineering” (Scopus Indexed)**
2. **Traditional Indian Food Classification Using Shallow Convolutional Neural Network (2024) “International Journal of Intelligent Systems and Applications in Engineering” (Scopus Indexed)**
3. **Important Feature Recognition for Credit Card Recommendation System using Predictive Modelling (2024) “International Journal of Intelligent Systems and Applications in Engineering (Scopus Indexed)”**
4. **Transparent E-Voting: Paving the Way for the Future of Democracy using block chain (2024) “International Journal of Intelligent Systems and Applications in Engineering” (Scopus Indexed)**
5. **An efficient intrusion detection framework for mitigating blackhole and sinkhole attacks in healthcare wireless sensor networks (2023) “Computers and Electrical Engineering (SCIE & Scopus Indexed)**
6. **Optimizing intrusion detection in industrial cyber-physical systems through transfer learning approaches (2023) “Computers and Electrical Engineering (SCIE & Scopus Indexed)**
7. **DRCNN - A Generalize Model for Gujarati Food Image Classification(2023) “The Visual Computer” (SCIE & Scopus Indexed)**
8. **Time Complexity in Deep Learning Models (2022) “Procedia Computer Science Journal” (Scopus Indexed)**
9. **Overview of Deep Learning in Food Image Classification for Dietary Assessment System (2020) “Advances in Intelligent Systems and Computing Series”, Proceedings of Sixth ISTA 2020 (Scopus Indexed)**
10. **An Approach Towards the Fog Computing: Stretching Cloud Computing and Internet of Things (2018) “International Journal of Distributed and Cloud Computing” (UGC Care Journal)**

**Book:**

1. **Practice Problems in C , RIGI PUBLICATION in April 2024**

**Awards/Recognitions:**

1. **Awarded Gold Medal in Final year of Masters.**
2. **Awarded Silver medal in Final year of Bachelors.**
3. **Granted Indian Copyright “CLASSIFICATION OF GUJARATI FOOD IMAGES USING DEPTH RESTRICTED CNN MODEL” (2022) with No L-114833/2022**
4. **Granted Indian Copyright “MATHEMATICAL ESTIMATION OF COMPUTATIONAL COMPLEXITIES OF DEEP LEARNING MODELS” (2022) with No L-120410/2022**