

RESUME

MONU BHAGAT

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Career Objective: To work in a challenging and dynamic environment, subsequently to upgrade my teaching, technical and managerial skills.

EDUCATIONAL QUALIFICATION

Pursuing PhD **Stream: Computer Science & Engineering**
From National Institute of Technology Jamshedpur, Jharkhand, India.

Academic Qualifications:

<i>Examination</i>	<i>Discipline</i>	<i>University/Board</i>	<i>Year of Passing</i>	<i>SGPA/ Percentage</i>
Madhyamik	--	WBBSE-West Bengal Board Of Secondary Education	2008	84.625
Higher Secondary	Science (Phys., Chem., Math., Bio.)	WBCHSE-West Bengal Council Of Higher Secondary Education	2010	75.83
B.Tech	Computer Science & Engg.	WBUT- West Bengal University of Technology	2014	8.25
M. Tech	Computer Science & Engg.	Kalyani Government Engineering College, Kalyani, (WB)	2017	8.33
Ph. D	Computer Science & Engg.	National Institute Of Technology Jamshedpur	Cont..	9.00

Trainings / Projects Undertaken:

Name of Institute / Organization	Project Title	Duration
Ardent Pvt. Ltd.	College Website (Using Asp.Net)	Four Weeks
JIS College Of Engineering	Designing Social Networking Site. (Using Asp.Net)	6 Months
Kalyani Government Engineering	Segmentation & Detection Of Type Of Tumor Using MRI Brain Image Via DWT, PCA,K-Means And KVSM	1 Year

Additional Qualification / Achievements / Certifications:

- Participated in Workshops on hi-tech world of semiconductor fabrication in Kshitij 2013, IIT Kharagpur.
- Working as Full time research scholar under MHRD fellowship from 2018 in Computer Science & Engineering Department of National Institute of Technology Jamshedpur, Jharkhand, India.

National Level Exam Qualified:

- GATE
- UGC-NET
- ASRB-NET

Subjects of Interest:

- 'C' Language
- Data Structure & Algorithm
- Operating System
- Engineering Mathematics
- Digital Logic
- Software Engineering
- Python Programming
- MATLAB
- DBMS

Publications:

- **M. Bhagat**, D. Kumar and D. Kumar, "**Role of Internet of Things (IoT) in Smart Farming: A Brief Survey**," 2019 Devices for Integrated Circuit (DevIC), 2019, pp. 141-145, doi: 10.1109/DEVIC.2019.8783800, IEEE.
- M. Sharma, **M. Bhagat** and D. Kumar, "**Ubiquitous and Emerging Concepts of Sensors**," 2019 Devices for Integrated Circuit (DevIC), 2019, pp. 341-347, doi: 10.1109/DEVIC.2019.8783542, IEEE.
- Praveen Kumar, Dilip Kumar, **Monu Bhagat** "A review of Supervised and Unsupervised approaches to Sentiment Analysis " 1st International Conference on Ubiquitous and Emerging Concepts on Sensors & Transducers (UEMCOS-2019), ISBN_ 978-1-7281-1349-4-014, IEEE.
- Kumar, Sunil and Kumar, Dilip and **Bhagat, Monu**, **Rapid and Efficient Medical Image Segmentation Using Thresholding and CLAHE with 3-Level FCM Clustering** (April 13, 2020). Proceedings of the International Conference on Advances in Electronics, Electrical & Computational Intelligence (ICAEEC) 2019, Available at SSRN: <https://ssrn.com/abstract=3574648> or <http://dx.doi.org/10.2139/ssrn.3574648>, Elsevier.
- Mukesh Kumar, Sonu Kumar Jha, Dilip Kumar, **Monu Bhagat** "A Study on Visual Secret Sharing Scheme using Speech Recognition", Technology & Management, Rabindranath Tagore University Journal Vol. IX/Issue XVII September 2019, ISSN: 2278-4187(DOI: 10.29070/AUJ-AN).
- **M. Bhagat**, D. Kumar, I. Haque, H. S. Munda and R. Bhagat, "**Plant Leaf Disease Classification Using Grid Search Based SVM**," 2nd International Conference on Data, Engineering and Applications (IDEA), 2020, pp. 1-6, doi: 10.1109/IDEA49133.2020.9170725 (**Scopus**).
- **M. Bhagat**, D. Kumar, R. Mahmood, B. Pati and M. Kumar, "**Bell Pepper Leaf Disease Classification Using CNN**," 2nd International Conference on Data, Engineering and Applications (IDEA), 2020, pp. 1-5, doi: 10.1109/IDEA49133.2020.9170728 (**Scopus**).
- **Monu Bhagat**, Dilip Kumar, and Sushma M. Balgi. "**Application of Internet of Things in Digital Pedagogy**" *Computational Intelligence in Digital Pedagogy*. Springer, Singapore 219-234.

- **Monu Bhagat, Dilip Kumar “A Comprehensive Survey on Leaf Disease Identification and Classification”** Multimedia Tools and Applications Journal (SCI)- Accepted.
- **Monu Bhagat, Dilip Kumar “Smart Agriculture using The Internet of Things & Cyber Physical System”** Imaging Science Journal (SCI)- Communicated.
- **Monu Bhagat, Dilip Kumar “Performance Evaluation of PCA based Reduced Features of Tomato Leaf Images Extracted by DWT using Random forest and XGBoost Classifier”** Multimedia Tools and Applications Journal (SCI)- Under Review.
- **Monu Bhagat, Dilip Kumar “AgriSmart: A Smart Solution of dataset crisis using GAN for leaf image classification & Disease Prediction”** Multimedia Tools and Applications Journal (SCI)- Under Review.

Workshop & FDP attended:

- Attended Short Term Course on **Recent Advances in Optimization Technique** (24th – 28th Dec, 2018) at IIT Guwahati.
- One-week faculty Development Programme on **“Network Security”** from 20th - 24th May-2019 at NIT Jamshedpur.
- One-week faculty Development Programme on **“Deep Learning and Applications”** from 27th -31st May-2019 at NIT Jamshedpur.
- One-week faculty Development Programme on **“Advancements in Signal Processing and Optimization Techniques”** from 3rd -7th Jun-2019 at NIT Jamshedpur.
- Two weeks FDP on **Sensor Networks and IoT** from 20th -29th Jun-2019 at **IIT(ISM) Dhanbad.**
- One-week faculty Development Programme on **“Deep Learning and its Application”** from 17th – 22nd June, 2020 under the **“Scheme of financial assistance for setting up of Electronics and ICT Academies”** of the Ministry of Electronics and Information Technology (MeitY), Government of India.
- Two weeks Online Faculty Development Programme on **“Machine Learning for Computer Vision”** from **June 29 – July 8, 2020** under the **“Scheme of financial**

assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.

- **Five days faculty Development Programme on “Recent Advances in Machine Learning and its Application” from 23rd – 27nd June, 2020 organized by Amity Institute of Information Technology, Amity University Kolkata.**
- **Two weeks Online Faculty Development Programme on “Advanced Optimization Techniques and hands-on with MATLAB/SCILAB” from 13 – 24 July, 2020 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.**
- **Three days Workshop on “MACHINE VISION 2020”, held on 27-29 JULY 2020 through online mode organized by National Institute of Technology Jamshedpur.**
- **Six days Online Short Term Training Programme on “Research Challenges and Applications of Internet of Things (IoT) in Smart Agriculture” from November 17 – November 22, 2020 organized by Department of Electronics & Communication Engineering, Kongunadu College of Engineering and Technology, Trichy Sponsored by ALL INDIA COUNCIL FOR TECHNICAL EDUCATION.**
- **One Week online Faculty Development Programme on “Introduction to Machine Learning” from 21-06-2021 to 25-06-2021 organized by department of Computer Science & Engineering, Indira Gandhi Delhi Technical University for Women (IGDTUW), Delhi.**
- **Three Days Faculty Development Programme (Online) on Research Trends in “Deep Learning and Communication Networks”, organized by department of Electronics & Communication Engineering, Bapatla Engineering College, Andhra Pradesh from 28th to 30th June, 2021.**

Conference Paper Presented:

- **Monu Bhagat, Dilip Kumar “A Survey Paper on Approaches & Tools used in Sentiment Analysis” 2nd International Conference on Computational Advancement in Communication circuit and System (ICCACCS-2018).**

- **Monu Bhagat**, Dilip Kumar, Deobrata Kumar “Role of IoT in Smart Farming: A Brief Survey” IEEE 3rd International Conference Devices for Integrated Circuits(DevIC-2019).
- **Monu Bhagat**, Dilip Kumar, Isharul Haque, Ravi Bhagat, Hemant Singh Munda “**Plant Leaf Disease Classification Using Grid Search Based SVM**”, 2nd International Conference on Data, Engineering & Applications Devices for Integrated Circuits (IDEA-2K20), IEEE(Scopus).
- **Monu Bhagat**, Dilip Kumar, Rehan Mahmood, Monu Kumar, Bibhudhendra Pati “**Bell Pepper Leaf Disease Classification Using CNN**”, 2nd International Conference on Data, Engineering & Applications Devices for Integrated Circuits (IDEA-2K20), IEEE(Scopus).

Personal Details:

Date of Birth : 05/03/1992
Father’s Name : Rajendra Bhagat
Mother’s Name : Krishna Devi Bhagat
Gender : Male.
Languages Known : English, Bengali, Hindi.
Address : 354, Pinkal Sondla Tank Road P.O: Garulia
P.S: Noapara Dist: -24 PGS (N) Pin:743133.

Declaration: I hereby declare that the above informations are true to the best of my knowledge.

Date: 27/03/2022

Monu Bhagat

Place: Shyamnagar.

(MONU BHAGAT)