

# CURRICULUM VITAE



## **DR. GAURAV JAISWAL**

AI Researcher (ChatCampaign HongKong), Ex RA DRDO, PhD, India

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Google Scholar link: <https://scholar.google.com/citations?user=cMF--cQAAAAJ&hl=en>

Research Gate link: <https://www.researchgate.net/profile/Gaurav-Jaiswal-5>

LinkedIn: <https://www.linkedin.com/in/drgauravjaiswal/>

**Summary:** Experienced senior researcher with a demonstrated history of working in reputed research organization. Skilled in Python JavaScript, Data science, AI (Machine learning and computer vision). Strong research and development professional with Postdoctoral and PhD in computer science.

## **Professional and Research Experience**

- AI Researcher in Chatcampaign Ltd (Hongkong) (From June 2021 – Present)
- Post-Doctoral Research Associate in DRDO, Govt. of India. (From Jan 2021 – May 2021)
- 3 year as Senior Research Fellow in Computer Vision (ICT Research Lab, Department of Computer Science), University of Lucknow, India) (From Sept 2016- Aug 2019)
- 2 year as Junior Research Fellow in Computer Vision (ICT Research Lab, Department of Computer Science), University of Lucknow, India) (From Sept 2014 – Aug 2016)

## **Research and Development Projects**

- Human centric AI in metaverse environment
- Human centric AI for emotion, expression, pose detection
- Deep Learning in navigation and control system
- Low Resolution Image classification
- Integration of classifiers for distributed image dataset
- Image classification for unknown (open set) images

## **Academic Profile:**

### **PhD in Computer Science, August 2020**

University of Lucknow, Lucknow (Uttar Pradesh)

Topic: “Study on Soft Computing Techniques for Image Classification”

### **Master in Computer Science**

Banaras Hindu University, Varanasi (Uttar Pradesh)

### **Bachelor of Science, Computer Science**

University of Allahabad, Allahabad (Uttar Pradesh)

## **Research Interests**

- Computer Vision, Machine Learning, Deep Learning, Artificial Intelligence, Human centric AI, AI in Affective Computing.

## **Technical and Software Skills:**

- **Machine Learning:** Numpy, Pandas, matplotlib, seaborn, Sk-Learn, Keras, Tensorflow, Jupyter notebook, OpenCV, PyTorch, MLOps
- **Programming Languages:** Python, JavaScript, Dart, C, C++, Java
- **Database:** MySQL, Sequelize
- **Front-End:** AngularJS, HTML, CSS, ThreeJS, PixiJS, Flutter (Mobile Application development)
- **Back-End:** NodeJS, ExpressJS, RestfulAPIs

## **Achievements:**

- Awarded **Post-Doctoral Research Associate (RA) Fellowship, DRDO** Government of India Dec 2020.
- Awarded **Junior Research Fellowship (JRF)** in Computer Science, UGC, India June 2013
- Awarded “**SHE (Scholarship for Higher Education)**” under the program **INSPIRE** by **Department of Science and Technology Government of India.** (INSPIRE Scholar Reg. No. 110/2007).
- Qualified NTSE (National Talent Search Examination) at state level. (2005)

## **Published Research Paper:**

- **Gaurav Jaiswal**, “Learning Algorithm for Threshold Softmax Layer to Handle Unknown Class Problem”, Lecture Note in Intelligent System, Springer
- Suresh Prasad Kannoja and **Gaurav Jaiswal**, “Cascade CNN Framework for Low Resolution Image classification” Journal of Artificial Intelligence Research and Advances, 2019; 6(1): 39-43p. ISSN 2395-6720.
- Suresh Prasad Kannoja and **Gaurav Jaiswal**. “Effects of Varying Resolution on Performance of CNN based Image Classification: An Experimental Study”. International Journal of Computer Sciences and Engineering. 2018; 6(9): 451-56p. ISSN 2347-2693.
- **Gaurav Jaiswal**, “Handwritten Devanagari Character Recognition Model using neural network” International journal of Engineering Development and Research. Issue- 2 Vol- 1 ISSN- 2321-9939. (2014)
- **Gaurav Jaiswal**, “Soft computing techniques for image classification: A brief review” (under review)
- **Gaurav Jaiswal**, “Hybrid recurrent deep learning model for deepfake video detection”, 2021 8th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics, and Computer Engineering, UPCON 2021.
- **Gaurav Jaiswal**, “Performance analysis of Incremental Learning Strategy in Image Classification”, 2021 11th International Conference on Cloud Computing, Data Science & Engineering (Confluence), 2021, pp. 427-432. IEEE 2021

- Suresh Prasad Kannoja and **Gaurav Jaiswal**, “Comparison of CNN Based Hybrid Classifier for Image Classification” Conference on Artificial Intelligence, Innovations and Its Application (CAIRIA2019) 30-31 Jan 2019
- Suresh Prasad Kannoja and **Gaurav Jaiswal**, “Meta Fusion of Trained Heterogeneous Image classifier using Classifier Selection”. National Conference on Intelligent Computing, Communication and Data Science (NCICCD2018), 29-30 Nov 2018
- Suresh Prasad Kannoja and **Gaurav Jaiswal**, “Ensemble of Hybrid CNN-ELM Model for Image Classification”. In Signal Processing and Integrated Networks (SPIN), 2018 5th International Conference on (pp.538-541). IEEE 2018
- **Gaurav Jaiswal** and Suresh Prasad Kannoja, “Neighbouring Pixel Based ELM Approach for Blood Vessel Segmentation in Retinal Images” International conference on Advance Computing and Software Engineering (ICACSE16), 14-15 Oct 2016.

### **Workshop/STC/FDP/Seminar**

- International Workshop on Big Data Analytics 2015 (WBDA'15) organized by ACM Student Chapter, ISI Kolkata and Indian Statistical Institute, Kolkata during August 20-21, 2015.
- Two Day National Workshop on “Soft Computing and its Engineering Applications using MATLAB” (SCEAM 2016) organized by Department of CEA and Mathematics G.L.A. University Mathura, during March 04-05, 2016.
- International Workshop on Machine Learning & Its Applications (IMLA 2016) organized by South Asian University, New Delhi during April 29-30, 2016.
- International Workshop on Computational Intelligence and Applications (IWCIA' 16) organized by South Asian University, New Delhi during May 23-25, 2016.
- Three Days National Workshop on Computational Intelligence (NWCi-2016) organized by Department of CSE, Jaypee Institute of Information Technology, Sector-128, Noida during May 26-28, 2016.
- Indo-French Workshop on Statistics and Artificial Intelligence for Data science (SAIDS 2020) at ISI, Kolkata, India 13-17 January, 2020.

### **Declaration:**

I declare that the foregoing information is correct and complete to the best of my knowledge and belief and nothing has been concealed.

GAURAV JAISWAL