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**Sujata Saini**  
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## EDUCATION

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- **Tokyo Metropolitan University** Tokyo, Japan  
*Doctor of Philosophy in Computer Science* April 2021-March 2024
- **Chaudhary Ranbir Singh University** Jind, India  
*Master of Philosophy in Computer Science* Aug 2015-April 2017
- **Maharishi Dayanand University** Rohtak, India  
*Masters of Science in Computer Science* Aug 2013-May 2015
- **Maharishi Dayanand University** Rohtak, India  
*Bachelors of Science in Computer Science* Aug 2010-May 2013

## EXPERIENCE

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- **Microsoft Student Learn** Tokyo, Japan  
*Ambassador/Founder at Tokyo Metropolitan University* Jan 2022 - Present
- **Technovation Challenge** Tokyo, Japan  
*Mentor* Dec 2021 - March 2022
- **Women Techmakers** Tokyo, Japan  
*Ambassador* Sep 2021 - Present
- **Google Developer Student Club** Tokyo, Japan  
*GDSC Lead/Founder at Tokyo Metropolitan University* Aug 2021 - Present
- **S.B.S.S** Jind, India  
*Product Supervisor Intern, Bio-Metric Devices and Applications* Mar 2016 - Sep 2016
- **Chaudhary Ranbir Singh University** Jind, India  
*Teaching Assistant, Soft-Computing and Matlab* Sep 2015 - Feb 2016

## PROJECTS

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- **IndusDraw:** Collected handwritten Indus Signs data of multiple users via web application with crowd-sourcing method.
- **M.Phil Dissertation:** Developed image classification model to recognize the Japanese historical characters by using Deep Convolutional Neural Networks with DropBlock regularization method and achieve 97% accuracy of state-of-art results.
- **Sentasis:** Performed Simple, Multi Class, Convolutional Sentiment Analysis using Bi-Directional and Deep Layer RNNs, CNNs in PyTorch.
- **Heartpro:** Performed EDA and compared KNNs, Decision Trees, Logistic Regression, Naive Bayes, Random Forest on Cleveland Database.
- **ActoNET:** Predicted human activities such as Walking, Sitting, Standing etc. using Numpy, Pandas etc. with data from Smartphone sensors.

## SKILLS

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- **Programming:** Python, R, MATLAB, C, C++, SQL
- **Libraries:** Tensorflow, PyTorch, Keras, Caffe, OpenCV, Scikit-Learn, Numpy, SciPy, Matplotlib, Pandas, NLTK, fastai
- **Others:** AWS, Git, Docker, Kubernetes, Anaconda, RStudio, SAAS, Tableau
- **Languages:** English (Fluent), Hindi (Native), Japanese (Basic)

## PUBLICATIONS

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- **Sujata Saini, Vishal Verma**, “*Japanese Historical Character Recognition using Deep Convolutional Neural Network (DCNN) with DropBlock Regularization*,” International Journal of Recent Technology and Engineering, Volume-8, Issue-2, July 2019, pp. 3510-3515.  
**Link:** (<http://dx.doi.org/10.35940/ijrte.b2923.078219>)

## AWARDS AND SCHOLARSHIPS

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- Japanese Government (Monbukagakusho: MEXT) University Recommendation Scholarship under Flexible Design Scientist Interfaculty Program (FDSIP); April 2021 - March 2024
- AutoML Fall School Scholarship; Nov 2021

## SEMINARS AND WORKSHOPS

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- Participated in the “**Google Solution Challenge 2022**” which mission was to solve one or more of the United Nations 17 Sustainable Development Goals using Google technology.
- Participated in the “**AutoML Fall School 2021**” organized by Leibniz Universität Hannover, University of Freiburg, and Ludwig Maximilian University of Munich from Nov 8th-12th 2021.
- Attended a “**Deep Learning Talk on Kuzushiji Dataset**” by Tarin Clanaut (P.hD., National Institute of Informatics) at Otemachi, Tokyo, Japan.
- Attended the 9th CODH Seminar on “**Computer Vision with Labeled Data**” at NII, Tokyo, Japan.
- Participated in two-day International workshop on “**Hybrid Soft Computing and Data Analytics**” held at Department of Computer Science, South Asian University, New Delhi, India.

## MOOC UNDERTAKEN

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- **Cognitive AI Classes** ; IBM
- **Computer Vision NanoDegree** ; Udacity
- **Machine Learning Crash Course with TensorFlow APIs** ; Google
- **MicroMasters Program of Statistics and Data Science** ; MIT
- **Introduction to Digital Humanities** ; Harvard University, edX

## CERTIFICATIONS

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- Certified Diploma in **Advanced Software Management**; ZAD Institutions
- Certification of **English Language Proficiency**; IELTS

## EXTRA-CURRICULAR ACTIVITIES

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- **Student Coordinator**; *AAVAAHN’ 2018 (2nd National Institutes Students’ Meet)* held at JNU, New Delhi.
- **Participant**; *SKILL INDIA SUMMIT 2017*, held at Chandigarh.
- **Head Coordinator**; *Youth Empowerment Inspiration Programme* in one-week language teaching Seminar.
- **Student Coordinator**; *Indian International Science Festival* held at IIT Delhi, New Delhi.

## HOBBIES

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Cultural Dance, Playing Badminton and Yoga, Blogging and Reading Articles

## LANGUAGES

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English (Fluent), Hindi (Native), Japanese (N5), and German (Basic)