

EDUCATION

- **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

- **Forth Valley Concierge** Tokyo, Japan
Internship Jan 2022 - March 2022
- **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 - Aug 2022
- **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

- **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

- **Programming:** Python, R, MATLAB, C, C++, SQL, HTML, CSS, Javascript
- **Libraries:** Tensorflow, PyTorch, Keras, Caffe, OpenCV, Scikit-Learn, Numpy, SciPy, Matplotlib, Pandas, NLTK, fastai
- **Others:** AWS, Git, Docker, Kubernetes, Anaconda, RStudio, SAAS, Tableau

PUBLICATIONS

- **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>)
- **Sujata Saini, Hiroki Shibata, Yasufumi Takama** “*Toward Construction of Handwritten Indus Signs Dataset*” The 10th International Symposium on Computational Intelligence and Industrial Applications (ISCIIA2022) Sep.23-Sep.25, 2022, Beijing, China.

AWARDS AND SCHOLARSHIPS

- 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

- 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.

MOOC UNDERTAKEN

- **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

- Certification of **AWS Machine Learning Foundations 2022**; Udacity
- Certification of **Fundamentals of Deep Learning**; NVIDIA
- Certification of **DLI Platform Course for Instructors**; NVIDIA
- Certified Diploma in **Advanced Software Management**; ZAD Institutions

EXTRA-CURRICULAR ACTIVITIES

Instructor; *English Language Camp in Iwai* for Japanese Junior High School students, Chiba.

HOBBIES

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

LANGUAGES

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