Rakhee

rakhee@nyu.edu | GitHub | LinkedIn | Website

EDUCATION

NEW YORK UNIVERSITY
MS in Computer Science
Expected Graduation: May 2023 | New York, USA

NIT MIZORAM
B. Tech in Computer Science and Engineering
July 2019 | Aizawl, India
CGPA: 9.23 / 10.0

SKILLS

PROGRAMMING LANGUAGES
Python, C, C++, C#, Javascript

TOOLS/FRAMEWORKS
Pytorch, Tensorflow, Flask, ReactJS, Redux, git, Bootstrap, jQuery, LaTeX MySQL

COURSES

EXTENSIVE VISION AI
The School of AI | 2020
An exhaustive Deep Vision Program consists of advanced computer vision projects and MLOps.

DEEP LEARNING SPECIALIZATION
Coursera |deeplearning.ai | 2019
Consist of five courses: Neural Networks and Deep Learning, Improving Deep Neural Networks, Structuring Machine Learning Projects, Convolutional Neural Networks, Sequence Models

AWARDS & HONORS

SCHOLASTIC
Academic - NIT Mizoram
Secured 2nd rank in Computer Science department
MITACS Scholarship
One of the 200 students selected worldwide to pursue a research internship at Canada

EXTRA-CURRICULAR
Joint Seceratary | 2018
Cultural Society of NIT Mizoram
National Cadet Corps | 2014
Volunteered and achieved Grade "B" in NCC "C" certificate

EXPERIENCE

FIRST AMERICAN INDIA | Software Engineer
July 2019 - July 2021 | Bengaluru, India
• Led a project called "**Requirement Analysis Optimization**", which can identify security requirements from a task at the initial stages using machine learning which reduced the time to complete a task by 30%.

UNIVERSITÉ DU QUÉBEC À MONTRÉAL | Research Intern
June 2018 – August 2018 | Montreal, Canada
• Created a model to detect and analyze emotions jointly from textual and visual information. The model achieved an accuracy of 88.6% for assigning correct sentiments for text data and 69.02% for image data.

IIT PATNA | Research Intern
December 2017 – January 2018 | Patna, India
• Implemented a system that helps in finding the most important bi-cluster in the gene expression data using multi-objective optimization, Self Organizing Maps and Differential Evolutionary Algorithm.

PUBLICATIONS

MULTIMODAL SENTIMENT ANALYSIS USING DEEP LEARNING
International Conference on Machine Learning and Applications (ICMLA) | PAPER
Citation: (R. Sharma, N. Le Tan and F. Sadat, 1475-1478, 2018)

PROJECTS

TANOSHI | Deep Learning & MLOps | GitHub | Website
Jan 2021 - Mar 2021
• Developed an end-to-end platform where users can upload their custom dataset, set model parameters and train their own deep learning model without writing any line of code.

DEPTH ESTIMATION SEGMENTATION | Computer Vision | GitHub
May 2020 - Jun 2020
• Developed a custom CNN to predict the monocular depth estimation and object segmentation which was trained on a custom dataset of 1.2M museum images.

OBJECT DETECTION WITH YOLOV3 | Computer Vision | GitHub
Apr 2020 - May 2020
• Created a custom dataset of LEGO Batman for detection. The model predicts the object with accuracy as high as 98%.

DEEPNET | Deep Learning | GitHub
Jan 2020 - Mar 2020
• Integrated an end-to-end deep learning platform that allows users to create, train, and deploy their own neural network models in a matter of minutes without writing any line of code.

MACHINE TRANSLATION | NLP | Poster
Sep 2018 - May 2019
• Trained a model to translate a sentence from Hindi to English using attention mechanism and bilingual dictionary.
• Developed a "guide" mechanism that enhances an existing decoder with the ability to prioritize and adequately handle translations using the bilingual dictionary.