

Sujan Dutta

Highly motivated MS student who loves to solve real-world problems with Machine Learning.

Rochester, NY
(+1) 585-694-1217
sujan99dutta@gmail.com
<https://github.com/Suji04>

EDUCATION

Master of Science

Rochester Institute of Technology

2021 - PRESENT

GPA - 4

Data Science

Bachelor of Technology

Kalyani Government Engineering College

2017 - 2021

GPA - 3.74

Computer Science and Engineering

EXPERIENCE

Graduate Research Assistant

Golisano College of Computing and Information Sciences (RIT)

08/2021 - PRESENT

Currently working with Dr. KhudaBukhsh on multiple research projects at the intersection of machine learning, natural language processing, and AI for social impact.

Data Science Intern

Analytics Saves at Work

03/2021 - 07/2021

Worked on knowledge extraction from unstructured text using traditional and advanced NLP techniques.

Machine Learning Engineer (Intern)

Kesowa Infinite Ventures

03/2020 - 01/2021

Implemented AI solutions with UAVs. Successfully tackled interesting problems like tree counting, crowd counting, people tracking, etc.

SKILLS

Machine Learning

Data Science

NLP

Computer Vision

Statistics

Python, C++

Numpy, Pandas

Scikit-learn, NLTK

TensorFlow, PyTorch

HTML, CSS, FLASK, P5.js

Science Communication

ACHIEVEMENTS

Language Science and Computational Linguistics Student Excellence Award

Received for the research in estimating news media stance using NLP.

ML Hackathon Finalist

Participated in the final round of the ML hackathon (SANGAM 2019) at IIT Madras.

YouTube Educator

Runs an educational channel on Machine Learning & Data Science with more than 30k subscribers.

ML Competition Winner

Won the first prize in the ML competition organized by the Academy of Technology.

NTSE Scholarship Winner

Won the national scholarship for excellent performance in the National Talent Search Examination (NTSE) in class 8.

Research Intern

NIT Durgapur

06/2019 - 07/2019

Worked on advanced data imputation techniques with spatiotemporal air pollution data.

PROJECTS

Chat Screenshot Detection

github.com/Suji04/Chat_ScreenShot_Classifier

This AI-powered web app can predict if an input image is a chat screenshot or a normal image.

Alphabet GAN

github.com/Suji04/NormalizedNerd/tree/master/Alphabet%20GAN

A Generative Adversarial Network (GAN) to generate English and Bengali alphabets.

Jumping Game AI

github.com/Suji04/jumpinggameAI

This is an A.I. that learns the physics of the game and beats it. The model is a combination of Neural Network and Genetic Algorithm.

Chat Entropy Analysis

github.com/Suji04/Chat_Entropy_Analysis

A python script to find and compare Social media chat entropy using Shannon's formula.

PUBLICATIONS

1. Sujan Dutta, Beibei Li, Daniel S. Nagin, Ashiqur R. KhudaBukhsh, "A Murder and Protests, the Capitol Riot, and the Chauvin Trial: Estimating Disparate News Media Stance", accepted as IJCAI-ECAI 2022.
2. Sujan Dutta, Dr. Kousik Dasgupta, "A Shallow approach to gradient boosting (XGBoost_s) for prediction of the Box Office revenue of a Movie", presented at ISACS 2021.

School Topper

Maintained 1st rank in school from class 3 to 10.

COURSES

Sequence Models

Deeplearning.ai (Coursera)

Neural Networks and Deep Learning

Deeplearning.ai (Coursera)

Machine Learning for Engineering and Science Application

IIT Madras (NPTEL)

Machine Learning

Stanford University (Coursera)

EXTRACURRICULAR

Executive board member of RIT Data Science and Engineering club.

Former representative of KGEC coding club.

INTERESTS

Doodling
Chess
Digital Art