# Vibha Masti

vibhamasti.github.io 🔗
vsmasti@gmail.com ✉
vmasti@andrew.cmu.edu ✉
vibha-masti 🔗

## EDUCATION

**Carnegie Mellon University**                                                                       Pittsburgh, PA
Master's in Computational Data Science                                                           2023–Current

**PES University**                                                                                        Bangalore, India
Bachelor's in Computer Science and Engineering, GPA: 9.84/10.00                           2019–2023

## EXPERIENCE

**Apple**, *Machine Learning Intern*                                                                 Jan – June 2023
Researched, developed and deployed deep learning models to classify issue tickets in the Cellular Systems Analysis team. Improved on existing system's micro-F1 score by 35%

**Goldman Sachs**, *Summer Analyst*                                                               Jun – July 2022
Designed new data models to replace an old relational store for mathematical constraints. Reduced fetch time by $\sim 85\%$

**Netradyne**, *Software Engineering Intern*                                                      Jun – July 2021
Created an end-to-end web tool to visualize GPS data on an interactive map with search filters. Calculated and displayed cumulative statistics on GPS data at different levels of aggregation and for different geographical areas

## SCHOLARSHIPS AND AWARDS

- Prof. CNR Rao Scholarship for being among the top 2% in the department
- Andy Grove Scholarship by Scholarship Hub and Intel Technology
- Immense Contribution Award from PES University for my repository of study material/notes, visited 38,000+ times

## TEACHING

- **Teaching Assistant** at PES University     Spring 2023
  *Network Analysis and Mining (UE20CS345)*

- **Teaching Assistant** at PES University     Fall 2022
  *Data Analytics (UE20CS310)*

## SKILLS

- **Language:** Python, C/C++, Java, R, SQL
- **ML/Stats:** PyTorch, Tensorflow, pandas, NumPy, Matplotlib, scikit-learn, regex
- **Web Tech:** Django, Flask, FastAPI, HTML/CSS, React, JavaScript, Nodejs, Express, Docker

## PUBLICATIONS

1. C3PO: A lightweight copying mechanism for translating pseudocode to code, *AACL-IJCNLP 2022*

2. GraphCoReg: Co-training for regression on temporal graphs, *MLG Workshop, ECML-PKDD 2022*

3. Multivariate Covid-19 forecasting with vaccinations as a factor: The case of India and USA, *Workshop, ICML 2022 and IEEE TENSYMP 2022*

4. A comparative study of algorithms for intelligent traffic signal control, *ICMLAS 2021*