






DIVYANSH AGARWAL

Brooklyn, NY ◊  +1 929 545 4512 ◊  divyansh.agarwal@nyu.edu ◊  LinkedIn:div2201 ◊  divyansh7877 ◊  Portfolio

EDUCATION

Master of Science in Computer Science

New York University, Tandon School of Engineering

Coursework: Computer Vision, AI for Games, ML, DL, Big Data, Blockchain, Cloud Computing

May 2025

Grade: 3.76/4

B.Tech Computer Science and Engineering and Business Systems

VIT University, Vellore

Coursework: Computational Statistics, Data Science and Statistical Modeling, Deep Learning, Business, Design Thinking

July 2023

Grade: 8.4/10

SKILLS

Technical Skills

Machine & Deep Learning, HPC, Data Analysis & Visualization, Computer Vision, LLMs

Soft Skills — [PyMetrics](#)

Leadership, Active Listening, Strong Work Ethic, Strategic Decision-Making

Programming Languages

Python, SQL, R, TensorFlow, PyTorch, AWS, Google/Adobe Analytics, Excel, JIRA

EXPERIENCE

Research Assistant

Neuroinformatics Lab

October 2024

New York University, New York

- Achieved 92% F1 score detecting fast/slow neural events using LSTM and U-Net models with noise suppression.
- Validated results through clustering, PCA, and embedding analysis; built interactive React.js **Live App** on Vercel.
- Processed large-scale noisy neural data efficiently using HPC and deep learning pipelines.

Data Analyst

Adeptmind

February 2023 - July 2023

(Remote) Toronto, Canada

- Delivered growth from 10K to 80K landing pages, with monthly traffic increment of 20%.
- Created content for all the pages using LLMs and prompt engineering, which increased average traffic per page.
- Reported for 19 clients using Analytical tools and monitored SEO performance to improve search ranks.
- Created a dashboard using Streamlit library for all the internal stakeholders.

Computer Vision Intern

Enord

November 2022 - February 2023

New Delhi, India

- Developed lightweight Depth Estimation models using stereo cameras and PyTorch/CUDA, optimized for efficient, real-time deployment on resource-constrained embedded systems like drones, ensuring robust performance.

Head Of Autonomous Department

Student Team OJAS

September 2020 - February 2022

VIT Vellore, India

- Achieved First time qualifiers from India in Formula Student Hungary as the department head.
- Managed multiple projects simultaneously, e.g. Perception, Planning, and Control.
- Focused on the YOLO family of algorithms for object detection and generated 92% accuracy.

PROJECTS

Concurrent Multi-User RAG System Developed a secure, concurrent, multi-user Retrieval-Augmented Generation (RAG) system featuring a local-first architecture, a FastAPI backend with Celery workers for asynchronous job processing, and real-time updates via WebSockets. Implemented comprehensive user isolation and data privacy. [Code Repository](#).

Social Media Automation Built a serverless AWS pipeline to automate image posting using Google Photos, AWS Rekognition, OpenSearch, and Claude 3 for AI captions, leveraging Lambda, Cognito, Lex, SQS, S3, API Gateway, Secrets Manager for scalable content creation.

International Trade Statistics Testing and producing various network data visualization for analysis of trade data like Network Radial Map, Geo-Spatial Map and Matrix Map. [Code Repository](#).

In-Context Learning with LLMs to Pokemon Showdown to test meta-learning of LLM and play Pokemon Showdown based on different contextual learnings.

PUBLICATIONS — CERTIFICATIONS

[Forecasting Geo Location of COVID-19 Herd](#) Used models like ARIMA, LSTM and Prophet(Meta).

Professional IBM Data Science Certificate of 9 Courses including a Capstone project. Analysis of various formats of data and visualization of the same. [Link To Certificate](#) [Link To Certification in R Lang](#)