

Education	
New York University Abu Dhabi	Expected Graduation Date: May 2026
Bachelor, Philosophy; Bachelor, Computer Science	Abu Dhabi, UAE
CGPA: 3.957	
Experience	
Research Intern	May 2024 - Aug 2024
Laboratory for Computer Human Intelligence	Abu Dhabi, UAE
<ul style="list-style-type: none">Collaborated with Dr. Tuka Alhanai on research exploring GPT-4o for estimating logistic regression parameters in binary prediction tasks. Understood the relationships between estimated parameters of regression with textual data. Drafted paper under review.Analyzed 162 datasets, developed six prompting styles, and achieved an average AUROC of 0.63 using 10-fold cross-validation.Built an experiment pipeline with API integration for seamless result tracking in Google Sheets.	
Global Career Peer	Aug 2023 - Dec 2023
Career Development Center, NYUAD	Abu Dhabi, UAE
<ul style="list-style-type: none">Scraped and analyzed career data from public resumes, structuring insights using Google Sheets, pivot tables, and VLOOKUP.Collected and processed student career details to support data-driven decision-making and analytics.Assisted in organizing the university's career fair, coordinating logistics and employer engagement.	
Research Intern	Aug 2023 - Jan 2024
Laboratory for Computer Human Intelligence	Abu Dhabi, UAE
<ul style="list-style-type: none">Gathered raw EMG(Electromyography) data from around 100 websites, compiled them in google sheet, and uploaded each of the dataset to the High Performance Computing(HPC), a medium size Linux Cluster at Center for Research Computing NYUAD.Converted all the various file formats(.mat, .sav, .dat, etc) into .csv using Python code and bash scripts as a part of data preprocessing to make a unified database and facilitate Machine Learning Research	
Facilitator, Artificial General Intelligence Safety Fundamentals Reading Group	Jan 2023 - Present
Effective Altruism NYUAD	Abu Dhabi, NYUAD
<ul style="list-style-type: none">Facilitated reading group sessions based on the BlueDot Impact syllabus, covering topics such as Outer Alignment, Inner Alignment, Agents Foundation, and Interpretability.Organized and led weekly 8-week cohorts, each consisting of around 6 members, ensuring engaging and productive discussions.Coordinated logistics for the sessions, including scheduling, communication, and providing necessary materials, enhancing the group's learning experience.	
Skills	
Programming Languages: Python(Numpy, Pandas), C/C++, JavaScript, Java, HTML5/CSS3	
Frameworks and Libraries: ReactJS, Flask, FastAPI, Pytorch, Tensorflow, Sklearn, OpenCV	
Tools & Databases: Linux, Git, Bash, HPC, MongoDB, Firebase	
Projects	
meta4ic - a metaphor annotation system Github (Aug 2024 - Dec 2024)	
<ul style="list-style-type: none">Developed a machine learning-based metaphor annotation system, achieving 90.14% accuracy with Logistic Regression and 89.38% accuracy with MaxEnt using the VU Amsterdam Metaphor Corpus (VUMAC).Implemented data balancing techniques, improving AUROC scores from 0.72 to 0.84 for MaxEnt and from 0.77 to 0.83 for Logistic Regression, significantly enhancing model interpretability and metaphor detection.Designed an end-to-end NLP pipeline, automating four key processing steps (data parsing, balancing, training, evaluation), improving efficiency in metaphor annotation for computational linguistics research.	
assignMeant (pre-seed) - Ed-tech platform for personalized assignments Github (May 2024 - Aug 2024)	
<ul style="list-style-type: none">Prototyped full-stack ed-tech platform using Flask that automatically generates personalized student assignments faster using LLMEngineered database schema on MongoDB and integrated Llama-3-8B with efficient prompt engineering for generating questions and answer keyDesigned a real-time teacher dashboard with an automated grading system achieving 95% accuracy in assessment key	
philosloppy - philosopher LLM for Socratic dialogue Github Selenium, BeautifulSoup, HuggingFace, Unsloth, Ollama (2024)	
<ul style="list-style-type: none">Created Python data pipeline to collect, process 100,000+ philosophical discussions and texts, improving training data quality by 60%Fine-tuned Llama-3-8b model for Socratic-style dialogues using Pytorch, achieving an 85% coherence score in human evaluationIncorporated Unsloth to streamline pipeline efficiency and deployed optimized model using Ollama	
Miscellaneous :	
<ul style="list-style-type: none">butterAI: An AI powered speech therapy prototype targeted for people with stuttering; finalist for Nokia's AI for Good Hackathon (2025) GithubKhojYantra: Search Engine for the Nepali legal text, Tokenization and Similarity Search GithubExplainium: A chrome extension that simplifies complex text (word, phrase, sentences) into ELI5/Pro explanations Github	
Activities	
Content Creation: Youtube Epistemic Spaghetti Pijack Mathman	
Aug 2024 - Present	
<ul style="list-style-type: none">Produced and managed Pijack Mathman, creating animated explanatory math videos leveraging Manim, the library developed by 3Blue1Brown.Produced and managed Epistemic Spaghetti, creating videos that delve into explanatory philosophical videos.	