Murari Ganesan

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Education

University of California, Berkeley, BS in Data Science, Economics – Berkeley, CA, USA   Jan 2023 – May 2026
- Took Classes in Machine Learning, Deep Learning, Causal Identification/ Inference, and Statistics

Ohlone College, AA in Economics – Fremont, CA, USA   May 2021 – Dec 2023
- Took lower division Requirments in Preperation for transfering to a 4 year university; Completed IGETC Certification

Experience

Reserach Assistant, Universtiy of California, Berkeley – Berkeley, Califorina   June 2024 – present
Conducted EDA, web scraping and data/ regression analysis on political corruption using Python, pandas, Selenium, Pyteseract, and R ; Aided research work by organizing and developing research design and Writing papers based on the results Conducted research on female labor outcomes in India in RCT setting. Joined Berkeley Aritifical Inteligence Lab advised by Professor Serina Chang Looking into if LLMs predict public opinions on novel current events

Software Engineering Intern, Snorkel.ai – Redwood City, California   June 2025 – present
Designed and Inplemented a New Data model to simplify the ease of querying the Data as a Service SQL Database. Acted as a Fullstack Engineer with regular tasks as a part of the DaaS SWE ops team. Performed Data Engineering for pacakging data in Final Step of Data as a Service Pipeline

Peer Reviewer, Berkeley Economic Review – Berkeley, California   Jan 2024 – present
Reviewed undergraduate research papers, focusing on econometric validity and methodology.

Vice President, Associated Students of Ohlone College   May 2022 – May 2023
Managed and led orgainiziton with budget of over $400K; allocated $28K in need-based grants ; Led events with 100+ attendees, collaborating with administration, students and faculty.

Projects

Gitlet   Summer 2024
Basic implementation of all git commands except git remote commands

Customer Service Natural Language Processing   Summer 2025
Designed and implemented Data pipeline to classify customer service requests using a local LLM to create the inital classification on a subset of the data, then trained a neural network with transfer learning to classify the requests for each week, month and year using NLP.

Genetic Algorithim hyperparameterization with Neural Networks   Spring 2025
Constructed models predicting breast cancer incidence and diabetes incidence using a custom neural network using 1 dimensional residual connections. Used a genetic algorithim to find the optimal hyperparameters of the neural network.

Cargo Reallocation and Production Recapture in the Chesapeake Bay Network Following the Key Bridge Closure   Spring 2025
Conducted research exploring the causal impact of the colapse of the Francis Scott Key Bridge on trade flows within the Chesapeake bay, and the wider eastern seaboard using Difference in Differences.

Skills

Programming: Proficient with Python, SQL, C++, Java, and Git; data structures, and Machine Learning/ Data Modeling

Mathematics: differential equations, calculus, and linear algebra, probability and statistics

Libraries: Pytorch, scipy, pandas, numpy, selenim, XGBoost, matplotlib, Scikit-learn, and Hugging Face