Gaurav Sett

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Education

MS in Computer Science — Georgia Institute of Technology *(Atlanta, GA)* *Jan 2023 to Aug 2023*
- Specialization in Machine Learning

BS in Computer Science — Georgia Institute of Technology *(Atlanta, GA)* *Aug 2019 to Dec 2022*
- 3.90 GPA, Honors Program; Specializations in Artificial Intelligence and Human-Computer Interaction

Skills

Data Science | Python | R | SQL | PyTorch | Tensorflow | SciKit-Learn | Pandas | Numpy | Matplotlib

Software Engineering | Java | C | JavaScript | HTML/CSS | Git | APIs | AWS | React | Django | Agile

Experience

Data Science Intern — Washington Post *(Washington, DC)* *May 2022 to Aug 2022*
- Categorized article topics in breaking news stream with LSTM and transformer models using PyTorch
- Created API to handle continuous collection, processing, and storage of articles using AWS ECS, Lambda, and S3
- Visualized breaking news topics and API performance on dashboard for journalists using Datadog

Economics Research Intern — Federal Reserve Board *(Washington, DC)* *May 2021 to Aug 2021*
- Developed text analysis tool regularly used in policy meetings to analyze corporate earnings calls using SpaCy
- Automated collection, processing, and storage of 200K documents; used parallelization to improve speed 8x with Dask
- Presented to economists on NLP techniques such as word vectors and LDA topic modeling with interactive Django app

Research Intern — Georgia Tech Research Institute *(Atlanta, GA)* *May 2020 to Dec 2020*
- Created classification models identifying conspiratorial anti-vax Reddit comments with 80% accuracy using SciKit-Learn
- Analyzed the partisan differences in tweets about COVID-19 topics from members of Congress using SpaCy
- Built GUI application enabling social scientists to collect and analyze Twitter API data using PyQT5

Activities

Cofounder — AI Safety Initiative at Georgia Tech *(Atlanta, GA)* *Aug 2022 to Present*
- Managing weekly events, seminar program, machine learning bootcamp, and research fellowship for 30 students
- Working with students and academics to develop paradigm for the emerging research field of AI safety

Board Member — Effective Altruism at Georgia Tech *(Atlanta, GA)* *Aug 2021 to Present*
- Managing seminar programs for 120 students; led seminar groups on high-impact careers and philanthropy
- Secured grant funding, organized events, and led outreach to become one of the largest university chapters in the world

Teaching Assistant — Georgia Tech College of Computing *(Atlanta, GA)* *Jan 2023 to May 2023*
- Leading discussions, grading essays, and assisting professor for CS 3790: Introduction to Cognitive Science

Projects

Master's Project — Georgia Tech College of Computing *(Atlanta, GA)* *Jan 2023 to Aug 2023*
- Developing course on AI safety built on wiki platform, fostering student collaboration, engagement, and community

Undergraduate Research — Georgia Tech College of Computing *(Atlanta, GA)* *Aug 2019 to Dec 2022*
- Measured for capacity of large language models to rationalize immoral decisions analyzing scale and training tasks
- Built transformer model for spatiotemporal forecasting of Atlanta gentrification using PyTorch
- Developed metric for importance of news stories based on topic similarity across outlets using BERT
- Wrote literature review on the likely effects of AI on wages and employment over the coming century
- Analyzed investment portfolios to predict returns based on asset diversity using time-series K-means clustering
- Conducted literature review on how social media amplifies misinformation and polarization in public discourse