

# Gaurav Sett

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## Education

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**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

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**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

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**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

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**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*

- Managed 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 world's largest university chapters

**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

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**AI Safety Course** | Developing course built on wiki platform, fostering student collaboration, engagement, and community

**Gentrification Forecasting** | Built transformer model forecasting of Atlanta gentrification with tax data using PyTorch

**Language Model Review** | Wrote literature review on the potential for language models to act as domain experts

**News Classification** | Developed metric for importance of news stories based on topic similarity across outlets using BERT

**Employment Review** | Wrote literature review on the likely effects of AI on wages and employment over this century

**Portfolio Clustering** | Analyzed investment portfolios to identify clusters with asset price time-series using K-means

**Social Media Review** | Wrote literature review how social media affects misinformation, polarization, and radicalization