

Aryan Srivastava

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Education

Brown University

Providence, Rhode Island

PURSuing B.S. WITH HONORS, COMPUTER SCIENCE

Sept. 2018 - Dec. 2022

Relevant Coursework - Deep Learning, Computer Vision, Statistical Learning, Big Data, Blockchains and Cryptocurrency, Operating Systems

Skills

Machine Learning: NLP, Classification, Regression, Clustering, Feature Engineering and Model Development

Data Analytics: Cleaning, Manipulation, Visualization, Web Scraping

Programming: Python, R, SQL (MySQL, PostgreSQL), C/C++, Bash (Linux Shell), Javascript

Packages: NumPy, Pandas, scikit-learn, Matplotlib, SpaCy, NLTK, Tensorflow, Node.JS, Django, React

Tools: Git, GCP, Jupyter, Colab

Experience

Sloman Lab (Cognitive Science) and Brown AI Lab (Computer Science), Brown University

Providence, Rhode Island

JOINT RESEARCH ASSISTANTSHIP

Jan. 2021 - Oct. 2021

- Executed efficient data management of a large natural language corpora (300 million+ words) from news and social media, and extensively used cluster computing.
- Developed state-of-the-art modern transformer based neural networks for classifying clause level linguistic features.
- Performed advanced statistical analyses (Loess regression) to analyze and visualize the results of the neural network classification.

Center for Contemporary South Asia and Department of Economics, Brown University

Providence, Rhode Island

UNDERGRADUATE RESEARCH ASSISTANT

Mar. 2021 - Present

- Created the cleanest database yet of geolocated villages and Panchayat (village-level) election candidates in Uttar Pradesh - India's most populous state using web-scraping.
- Experimented with multilingual NLP neural networks to analyze patterns of hate speech on a highly popular regional social media platform.

Sheridan Center for Teaching and Learning, Brown University

Providence, Rhode Island

DATA SCIENCE FELLOW

Sept. 2021 - Dec. 2021

- Created data analysis and visualization tools for Early Student Feedback Survey open response data that are now being used by the Sheridan Center for Teaching and Learning.
- My tools reduced analysis time by 50% by analyzing open ended responses using NLP techniques, and enabled surveys of large classes (200+ students).

Brown University Department of Computer Science

Providence, Rhode Island

UNDERGRADUATE TEACHING ASSISTANT

Jan. 2019,20 - May 2019,20

- Assisted professors and Head TAs in grading assignments, organization and presentation of lectures and labs, assisting students with assignments and other inquiries, and providing mentorship to new students in the department.

Projects

Tracking the trackers: A full-stack web application to analyze and visualize the prevalence of trackers in a user's browsing session, and provide trackers' opt-out links automatically.

Weenix Operating Systems: Implemented majority of the Weenix OS Kernel as part of the Operating Systems Course's extra credit lab. I worked on threads, processes, drivers, file systems, memory management, and virtual memory.

Leadership

Brown RISD Innovation Community

Providence, Rhode Island

CO-FOUNDER

Mar. 2020 - Present

- Co-founded a club with 150+ members at Brown-RISD emphasizing cross-community collaboration through workshops, projects, and events.
- Led the curriculum development team and led workshops on data innovation and project management.

The Bird House

Lucknow, India

CO-FOUNDER

Feb. 2021 - Present

- Hired and managed a team of 4 people to refurbish, establish, and operate a cafe and community art space in my hometown.