Aryan Srivastava

☎ 646-623-7173 | ✉ aryan_srivastava@brown.edu | 🌐 www.arysriv.com | in aryan096 | ⓞ aryan096 | 🐦 ughhryan

Brown University Class of 2022.5   *Providence, RI*
B.Sc Computer Science - AI/ML and Systems Track
Relevant Coursework - Deep Learning, Computer Vision, Data Science, Operating Systems, Distributed Systems, Non Fiction

Professional Experience

Brown University Department of Computer Science
Providence, RI
May 2020 - Present

Systems Programmer, Operator, and Consultant
- Worked closely with the department technical staff to develop a full-stack web application using latest industry-adopted technologies and frameworks to be added to the department website.
- Created a RESTful **API** Service to monitor usage status across the 500+ Linux machines in the department.
- Worked with the software team to develop a Unix based easily distributable departmental operating system to assist students and

Brown University Department of Computer Science
Providence, RI
Jan 2019 - May 2019, Jan 2020 - May 2020

Undergraduate Teaching Assistant - CS0040, CS0111
- 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.

Research Experience

Sloman Lab (Cognitive Science) and Biomedical AI Lab (Computer Science)
Brown University
Remote
January 2021 - October 2021

Joint Research Assistantship
- Executed effecient 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
Remote
March 2021 - Present

Undergraduate Research Assistant
- Created the cleanest database yet of geolocated villages and Panchayat (village-level) election candidates in Uttar Pradesh - India's most populous state.
- Experimented with different natural language processing neural networks to analyze patterns of hate speech on a highly popular regional social media platform.

Projects

Student Feedback Analysis Tools: Created textual survey data analysis and visualization tools for **Brown's Sheridan Center for Teaching and Learning** to reduce analysis time by 50% and allow surveys of large classes.

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

Weenix Operating System: 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

The Bird House
Lucknow, India
February 2021 - Present

Founder
- Hired and managed a team of 4 people to refurbish, establish, and operate a cafe and community art space in my hometown.
- Completed ~400 orders within the first 2 months of operation.

Brown RISD Innovation Community
Providence, RI
March 2020 - Present

CoFounder
- Co-founded BRIC, which is now a community of 150+ students from Brown and RISD, encouraging inter-disciplinary collaboration and innovation.
- Developed a curriculum and led discussions on innovative entrepreneurship and workshops on relevant skills and tools.

Skills

Programming	Python, Javascript, R, HTML, CSS, C, SQL
Tools	Git, Linux, Figma, Adobe Creative Suite (Photoshop, Illustrator, Indesign)
Frameworks	Pandas, Matplotlib, Tensorflow, PyTorch, React.js, Django
Other Interests	Photography, Digital Art