

Rudra Srivastava

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EDUCATION

BROWN UNIVERSITY

BSC IN COMPUTER

SCIENCE-ECONOMICS

May 2021 | Providence, RI

Cum. GPA: 3.92 / 4.0

Major GPA: 4.0 / 4.0

LINKS

LinkedIn:// [rudra-srivastava1998](#)

COURSEWORK

Introduction to Object Oriented Programming • Multivariable Calculus

• Linear Algebra • Introduction to Algorithms and Data Structures

• Introduction to Systems

• Statistical Inference • Machine Learning

• Introduction to Discrete Structures and Probability

SKILLS

TECHNICAL

Java • C • Python • Javascript • JQuery

• KnockoutJS • OJET • AJAX/REST •

D3JS • Linux • X86 Assembly • SQL •

HTML • CSS • XML •

Machine Learning • IOS • JIRA • Swift •

Computer Vision • React • Figma •

Tensorflow

LANGUAGES

English (Native)

Hindi (Fluent)

Marathi (Conversational)

French (Conversational)

VOLUNTEER

LIMELIGHT INITIATIVE |

CO-FOUNDER

May 2015 – May 2017 | Dehradun, India

Founded a program to assist deaf and mute children at the Bajaj Institute, Dehradun by involving them in social, cultural and sports activities.

INTERNATIONAL FOLK ART

MARKET | VOLUNTEER

May 2015 – May 2017 | Santa Fe, NM

Represented tribal communities from Central India and helped set-up stalls, create invoices and translate.

EXPERIENCE

ORACLE | SOFTWARE ENGINEERING INTERN

May 2019 – August 2019 | Redwood City, CA

- Integrated into the OAC Business Intelligence PaaS team to add a brand-new visualization, the Butterfly Chart, to the Oracle Analytics Cloud Platform, Oracle's premier self-service augmented and advanced data analytics platform.
- Worked on the visualization with Javascript using both internal and external frameworks [OJET, D3JS, KnockoutJS, JQuery].
- Used Selenium [Java] and QUnit testing to test the visualization and undertook design decisions to enhance user experience.

BROWN UNIVERSITY CENTER FOR COMPUTATION AND VISUALIZATION | INTERN

June 2018 – Present | Providence, RI

- Worked on User Statistics Dashboard and Classification and the CCV Website (see projects below).

BROWN UNIVERSITY | UNDERGRADUATE CS TEACHING ASSISTANT

May 2019 – Present | Providence, RI

- Served as a teaching assistant for Introduction to Systems, CSCI0330 (a large intermediate systems class taught in C and assembly of approx. 300 students) and Machine Learning, CS1420. Improved and graded assignments, held office hours to help students on assignments, monitored labs, and taught class material and concepts (Conceptual Hours).

BROWN UNIVERSITY IT SERVICE CENTER | STUDENT TECHNICIAN

August 2017 – January 2019 | Providence, RI

- Assisted students and faculty at solving tech-related problems including operating computers and phones, networking, and malware and virus troubleshooting.

THE BROWN DAILY HERALD | FINANCE DIRECTOR

September 2017 – January 2020 | Providence, RI

- Organized bill-pay, depositing and bank record checks for the newspaper and analyzed financial positions of the organization over time. Handled collections from various sources and clients and assured financial security for the firm.

PROJECTS

USER STATISTICS DASHBOARD AND CLASSIFICATION | PYTHON

- Wrote scripts to scrub the user database of the computing cluster and create a dashboard like detailed report (PDF) for any user with statistics and visualizations for various SLURM variables (Python – Pandas, Numpy, Matplotlib, PyLatex). Used clustering techniques to classify users as per real world research groups (SKlearn).

CCV WEBSITE | HTML, CSS AND JAVASCRIPT

- Developed the website using Drupal, CSS and Javascript for the department. Worked with Google Maps API, integrated Shibboleth authentication and designed the theme. Collaborated with various departments for launch of website and handled servers using Plesk.

CROWD VISION | PYTHON, TENSORFLOW

- Created a computer vision application using a Switch CNN on the Shanghai Dataset to perform crowd counting in order to aid establishments estimate demand and capacity.