Ashish Srivastava

fortcollinsashish@gmail.com – +1-970-459-0596 – https://www.linkedin.com/in/ashish-srivastava-19as/

EDUCATION

University of Colorado Boulder, Boulder, Colorado 2019-Present
B.S. in Chemical and Biological Engineering, GPA: 3.89; Recipient of Dean's list for 4 consecutive semesters
Pursuing Minors in Computational Biology, and Biomedical Engineering

SKILLS

- Microsoft Office Suite (including Excel/VBA), LaTeX
- Basic Matlab, Mathematica, Fortran, Bash
- Python + Jupyter Notebook proficiency (Certified by IBM: DA0101)
- English (Fluent), Spanish (Intermediate), Hindi (Intermediate), Korean (Intermediate), Urdu (Novice), Punjabi (Novice)

WORK EXPERIENCE

University of Colorado Boulder, Boulder, Colorado | *Fluid Mechanics Course Assistant* Spring 2022
- Assisted CHEN 3200 instructors by holding office hours with students to review course material, assist on assignments, and answer general questions. Provided timely feedback and grading to students on their assignments.

United States Senate, Washington, District of Columbia | *Legislative Intern* Summer 2021
- Conducted research for developing STEM policy legislation, drafted memos and briefing notes, and performed constituent outreach/customer service

Embassy of the United States of America, New Delhi, India | *Management Assistant* Summer 2019
- Provided orientation to arriving diplomat families at one of the world's largest U.S. Embassies. Supported departing families with closure and check-out. Trained colleagues on Standard Operating Procedures which I created, constructed Sharepoint sites, and graphic design accessible to over a thousand U.S. Embassy and Consulate employees in India.

RELEVANT PROJECT EXPERIENCE

Davis Group, University of Colorado Boulder Summer 2021- Present
- Used Fortran simulations to investigate the behavior of viscous droplets flowing through microchannels (droplet microfluidics), simulated physical parameter effects on droplet sorting in bifurcating channels. Wrote Python scripts for data aggregation and analysis. Presented research at RMFM 2021 and CU SPUR 2021 conferences
- Got the lab situated with the CU Summit supercomputing system, helped to start physical experiments to verify simulation results, wrote a lab manual explaining experimental and computational procedures.

CU Boulder PHYS 1140 and LASP Fall 2020
- Analyzed solar flare long wave X-Ray data from the GOES-15 satellite. Led 4 person research team using Python/Jupyter notebooks to investigate the relationship between solar flare energy and frequency, cleaned and aggregated solar flare data, implemented linear regression for analysis.

CU Boulder APPM 2360 Spring 2021
- Used MATLAB to model and analyze mortgages using differential equations both numerically and symbolically, used MATLAB for recoloring, shifting, cropping, and compressing images using the discrete sine transform.

LEADERSHIP & INVOLVEMENT

Peer Tutor, New Delhi, India; Jeonju, South Korea; Boulder, CO; Bucharest, Romania | *Tutor/Instructor* Fall 2015-Present
- Executed both in-person and asynchronous tutoring, maintained meticulous notes that were shared online alongside self-recorded screencasts

Tau Beta Pi Engineering Honor Society, Boulder, CO | *Member* Fall 2020-Present
- Engineering Honor Society open by invitation to the top ⅛ of juniors and top ⅕ of seniors in their class. The chapter hosts group activities, networking opportunities, and provides resources to support students' academic and professional success

Boulder Bole Bhangra Dance Team, Boulder, CO | *Dancer* Spring 2019-Spring 2020
- Involved in a cultural dance team dedicated to sharing the passion of the Punjabi dance style throughout the university and state of Colorado. Performed at various venues, including cultural events, showcases, and athletic events

ADDITIONAL INFORMATION

- **NSLI-Y Korean Scholar** (Summer 2018) - Selected to receive a scholarship from the U.S. Department of State for an exchange program where students took intensive courses at a high school in Jeonju, South Korea for 6 weeks. Scored an Intermediate-Mid grade in Korean on the ACTFL Oral Proficiency Interview
- **Global Experience** (Fall 2007-Present) - I've been living abroad since 2007, and have experienced cultures and met with people from all around the world. Being brought up in international communities instilled in me a global mindset, and has made it easier for me to get along with/work alongside people with different perspectives and backgrounds