

DHRUV KUMAR

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EDUCATION

University of Colorado Boulder – College of Engineering and Applied Sciences

August 2024-Present

Bachelor of Science in Aerospace Engineering

Minors in Computer Science and Engineering Management

3.8 Cumulative GPA (2x Dean's List)

- **Relevant Projects:** Liquid-Solid Hybrid Rocket Engine Test for which I completed a cold-flow and hot-fire test on a liquid-solid hybrid engine, used Piping and Instrumentation Diagrams to assess proper testing procedures, created a custom fuel grain in SolidWorks and 3d printed it for use in the motor, and created a graph of thrust vs. time based on the procedure.
- **Relevant Courses:** Introduction to Astronautics, Differential Equations, Computer Systems, Introduction to Rocket Engineering, Introduction to Engineering Management.

LEADERSHIP AND CLUBS

Big Dumb Rockets (BDR), CU Boulder

April 2025-Present

Team Member

- Student-led rocket development group working on a liquid rocket engine.
- Worked on the liquid rocket parts in the Aerospace Machine Shop, focusing mainly on manufacturing metal components for use in the rocket.

CU in Space, CU Boulder

September 2024-Present

Team Member

- Competition based rocket team, currently enrolled in an international competition. Competed in the Argonia Cup last year.
- Learned about rocket design and manufacturing, along with creating model rockets and basic rocket components.

South Asian Student Association, Cherry Creek High School

December 2022-May 2024

Founder/Co-President

- Led a 100+ member club, setting up bi-weekly meetings, and 2 large events.
- Saw the need for representation for South Asian students at school and created this club to support and display South Asian culture, cuisine, and arts.

National Honor Society, Cherry Creek High School

May 2023-May 2024

Board Member

- Part of the board for community accountability, focusing on ensuring quality service hours were tracked and accounted.
- Gave public speeches at initiation and led meetings for members for a society of 200+ members

WORK AND VOLUNTEERING EXPERIENCE

Chipotle Mexican Grill, Centennial, Colorado

June 2025-August 2025

Front-line Member

- Served 60+ customers on the line daily, learning customer service.
- Worked as cashier, learning cash handling skills.
- Learned inventory management with morning prep work, restocking, and end of night cleaning.

SKILLS (skills are taught and tangible and do not include personal strengths, which are subjective)

- Experience with SolidWorks, OpenRocket, C++, C, Java, Python, MATLAB, and Arduino.
- Knowledge in Excel, Piping and Instrumentation Diagrams, and public speaking and presentational Skills.
- Fluent Language Skills: English, Hindi, Kannada
- Conversational Language Skills: Malayalam, German

ADDITIONAL INFORMATION

- 118 total hours volunteering with Habitat for Humanity, National Honor Society, Team Everest, Boy Scouts.
- Interests: gym, basketball, and gardening.