

# Abhishek Siwakoti

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## Education

**University of Colorado Boulder**, Boulder, CO

*Expected May 2027*

Bachelor of Science in Aerospace Engineering

Minors: Applied Mathematics, Chinese

*Daniels Fund Scholar (full ride)*

Relevant Coursework: Computer Science, CAD, Engineering Design, Graphic Design

**Community College of Denver**, Denver, CO

*Graduated May 2023*

No Degree

(Dual enrollment with high school)

## Technical Skills

- **Programming:** Python (beginner), MATLAB (coursework), C++ (basic)
- **CAD:** SolidWorks (CSWA, CSWP, CSWPA: Sheet Metal, Weldments, Surfacing, Drawing Tools)
- **Tools:** Git/GitHub (beginner), Microsoft Excel
- **Languages:** English (fluent), Nepali, Hindi, Chinese (intermediate)

## Experience

**University of Colorado Boulder – Office of the Registrar**, Boulder, CO

*Aug 2023 – Present*

*Work Study Student*

- Managed student record requests with a focus on accuracy and service.
- Processed attendance documents and assisted in data entry for registrar operations.

**Cablenet Aerospace Engineering**, Aurora, CO

*Jun 2022 – Aug 2023*

*Aerospace Facility Production Manager (Intern)*

- Assembled and tested over 50 aerospace-grade cable components, following strict quality standards.
- Performed precision soldering and crimping; supported component design using CAD tools.
- Gained exposure to quality control practices in aerospace manufacturing.

## Projects

**CAD Design Portfolio**

*Ongoing*

Modeled multi-part assemblies using SolidWorks, including linkages, brackets, and enclosures. Practiced advanced features such as surfacing and weldments.

**MATLAB Motion Simulation**

*Coursework*

Created a simulation of projectile motion with user inputs. Developed a simple GUI and graphed results.

## Extracurricular Activities

**Nepali Student Association**, CU Boulder

*Aug 2023 – Present*

Member – Helped plan and execute community events promoting Nepali culture.

**First Generation Scholars Program**, CU Boulder

*Aug 2023 – Present*

Scholar – Engaged in mentoring and academic support programs for first-gen students.

**Daniels Scholarship Cohort**, CU Boulder

*Aug 2023 – Present*

Member – Organized volunteer events and attended workshops on professional development.