

# Rafiul Alam Khan

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## EDUCATION

### Colorado College

B.A. in Mathematics

*Dean's List, Keller Family Venture Grant, Bridge Scholar*

Colorado Springs, CO

Aug 2022 – May 2026

**GPA: 3.87/4.00**

### Tuck School of Business at Dartmouth

Tuck Bridge Business Program

Selective 4-week program; conducted Texas Roadhouse valuation analysis with DCF modeling and presented findings to executives.

Hanover, NH

Summer 2024

## RESEARCH EXPERIENCE

### State of the Rockies

Colorado Springs, CO

#### Research Fellow

March 2024 – Present

- Conducted research for a Colorado College think tank on the socio-economic impact of wildfires in the Rocky Mountain West under the supervision of Cyndy Hines, using advanced spatial and statistical tools.
- Analyzed relationships among different natural factors by performing multivariable analysis in R and Stata.
- Mapped field data and wildfire impact zones using ArcGIS to visualize trends in ecological vulnerability and economic damage.

## PROFESSIONAL EXPERIENCE

### Prosperous AI

Business & Tech Sales Development Intern

Denver, CO

Jun 2024 – Aug 2024

- Optimized procurement for 20 construction clients using AI and R; updated CRM tools to track leads and align client KPIs.
- Boosted revenue by 6% through cost-saving opportunity identification and integration of analysis into sales cycle.
- Conducted market research for a new SCM product; defined product-market fit and outlined key audience segments.

### Utime Inc.

Business Analyst Intern

Geneva, NY

Jun 2023 – Aug 2023

- Analyzed 50+ EdTech SaaS models and 100+ pricing models to benchmark international vs domestic frameworks.
- Designed improved pricing strategy for SaaS offerings, increasing freemium-to-subscription conversion by 8%.

### Better-Stories Limited

Data Analyst Intern

Dhaka, Bangladesh

Mar 2022 – Jun 2022

- Co-developed a cost-optimization algorithm that advised startups on cutting spending, saving an average of \$9,000.
- Supported accelerator cohort with strategic data insights to guide sustainable operational decisions.

## PUBLICATIONS & PREPRINTS

- “The recovery of Ponderosa pine forest: a multiple-scale retrospect of the second burn day in Waldo Canyon fire, Colorado” State of the Rockies Report, 2025.

## SKILLS

Python, Java, JavaScript, R, Stata, SQL, MATLAB, Data Science (pandas, scikit-learn, NLTK, OpenAI API), HTML/CSS

## RELEVANT COURSEWORKS

**Mathematics:** Calc 3, Advanced Linear Algebra, ODEs, Statistical Methods 1, Abstract Algebra I & II, Real Analysis I & II, Numerical Analysis.

## ACTIVITIES & LEADERSHIP

**Residential Assistant, Housing & Residential Experience** Colorado College  
Aug 2023 – Aug 2024

- Managed a hall of 20 freshmen students and organized monthly panels in collaboration with campus partners.
- Topics included mental health, drug abuse, and navigating college academics for first-year students.

**Co-Chair, Coding Club** Colorado College  
Feb 2023 – Dec 2023

- Oversaw club operations including budgeting, programming, and leadership transition.
- Collaborated with faculty and the Career Center to host events on cybersecurity, UX/UI, and web development.

**Team Member, Consulting Club** Colorado College  
Sep 2023 – May 2024

- Participated in a 9-month project for the Colorado College Career Center to enhance early student engagement.
- Presented strategic recommendations to Megan Nicklaus, Career Center Director.