

Abhinav Chalise

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EDUCATION

University of Colorado at Boulder

Bachelor of Science in Computer Science

Boulder, CO

Expected May 2026

- Minor in Electrical Engineering
- Relevant Coursework: Operating Systems, Computer Systems, Database, Data Structures, Software Development

PROJECTS

Personal Portfolio Website | *HTML, CSS, Bootstrap, JavaScript*

Sep 2024

- Developed and deployed a **personal portfolio website** using multiple front-end languages
- Integrates features such as **night mode** for enhanced user experience and hosted on **GitHub Pages**
- <https://abhi6310.github.io/abhinavchalise.github.io>

Custom Unix Shell | *C, Linux Bash*

April 2024

- Engineered a **custom Unix shell** in **C** with **Linux Bash integration**, enabling **job control and workflow management** through command-line interface functionality.

Image Caption Generator | *C++, Python*

July 2024 - current

- Used optimization techniques to **optimize** image filter, improving processing efficiency by **up to 40%**
- Currently developing an **Image Caption Generator** leveraging **generative AI** in processing filtered images to produce **automated captions**.

TECHNICAL SKILLS

Languages: C++, Python, C, Java, JavaScript, Typescript, HTML, CSS, SQL, Assembly

Frameworks: React, Bootstrap

Developer Tools: VS Code, Git, Mongo DB, Docker

EXPERIENCE

Team Associate

Aug 2021 - Dec 2023

Wal-Mart Stores Inc

Thornton, CO

- Operated specialized equipment to safely and efficiently **unload cargo** from trucks.
- **Managed specialized inventory**, updating quantities and locations using **scanning software** to ensure precise stock levels.
- **Sorted and processed** merchandise, streamlining backroom organization and inventory control.
- Provided **customer support**, assisting with product inquiries and facilitating efficient item location for customers.

FC Associate

Jan 2024 - July 2024

Amazon FC Associate

Denver, CO

- Facilitated efficient transfer of goods into **inventory pods** within an automated environment.
- Resolved **system errors** related to **robotics pods**, ensuring smooth operation of automated processes.
- Served as a **system support associate**, handling specialized tasks for inventory reconciliation

ACHIEVEMENTS

Award Winner

2018

2018 United World Affairs Challenge Winner

Denver, CO

- Hosted a **Walk for Water Fundraiser** to raise money for underprivileged children in **Malawi, Africa**
- Raised over \$2500 for Freshwater Project International
- Built a freshwater well in Malawi
- Placed 1st out of 42 teams

Award Winner

2015-2018

2x Winner of the National Renewable Energy Laboratory (NREL) Solar Electric Model Car Competition