

# Abiral Tuladhar

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## Education

University of Colorado Boulder	Graduation May 2027
<ul style="list-style-type: none"><li>• Bachelor of Science in Computer Science</li><li>• Horace M. Hale scholarship recipient</li><li>• 3.48 / 4.00 GPA</li><li>• Relevant Coursework: Cybersecurity, Data Structures, Algorithms, Computer Systems, Software Development</li></ul>	

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## Projects

### Powerwash: Data Cleaning Application

- Python, Pandas, Flask
- Built a web-based platform that cleans, normalizes, and visualizes uploaded datasets
- Implemented missing-value handling, column normalization, and data validation pipelines
- Designed REST endpoints for file upload and processed dataset delivery
- Collaborated in a team environment using GitHub version control

### ARC: Personal Improvement Web Application

- Node.js, Express, PostgreSQL, OpenAI API
- Building a web application that generates personalized real-world improvement quests using GPT APIs
- Implementing user profiles, stat progression, streak tracking, and dynamic difficulty scaling
- Designing backend services for persistent progress storage and scalable task generation

### StudyHall: Campus Collaboration Platform (In Progress)

- Node.js, Express, PostgreSQL
- Building a Slack-style study platform with OAuth login, chat rooms, and document sharing
- Designing role-based permissions and real-time messaging infrastructure

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## Additional Experience

Target | Westminster Orchard, CO August 2023

### Tech Consultant

- Provided technical product support and troubleshooting for customers
- Trained and mentored new employees on procedures and product knowledge

## **Technical Skills**

- Languages: Java, C++, C#, Python, JavaScript, Scala, SQL, Java
  - Frameworks: Flutter, React, Express, Unity
  - Tools: Git, Linux, Postman, Wireshark, Node.js
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Languages: Nepali, Newari