

Abiral Tuladhar

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Education

University of Colorado Boulder

Graduation May 2027

- Bachelor of Science in Computer Science
 - Horace M. Hale scholarship recipient
 - 3.48 / 4.00 GPA
 - Relevant Coursework: Cybersecurity, Data Structures, Algorithms, Computer Systems, Software Development
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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
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Technical Skills

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

Languages: Nepali, Newari