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

Projects

Powerwash: Data Cleaning Application (Repository Only)

- 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 (Hosted)

- 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

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

Languages: Nepali, Newari