

# Aviyan Dhital

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## EDUCATION

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### Texas State University

*Bachelor of Science in Computer Science*  
Minor: NA | GPA: 3.93 , 44 credits

San Marcos, TX  
Fall 2024- Spring 2028

### Relevant Coursework:

Computer Science I AND II, Discrete Maths, DSA, Assembly Language, Probability & Statistics

**Honors:** President's List (Fall 2024 and Spring 2025)

## TECHNICAL SKILLS

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**Languages:** Python, C++, C, Javascript, Typescript

**Libraries/Frameworks:** Pandas, NumPy, Matplotlib

**Tools:** Git, VS Code

**Operating System:** Windows, Mac, Linux

**Learning:** Python for everybody, Google Cybersecurity Certificate

## PROJECTS

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### SWAT-Ready Watershed Data Prep & Flow-Regime Report | Python, Pandas, Matplotlib, Jupyter/Markdown

In Progress

- Built a reproducible Python pipeline to download, clean, and harmonize watershed climate and USGS streamflow data into analysis-ready datasets.
- Computed IHA-style flow-regime indicators (low-flow frequency, seasonal statistics, flow duration curves) and generated automated plots and a concise environmental-flow assessment report.

### Expense Tracker Web Application | HTML, JavaScript, Tailwind CSS, Firebase

In Progress

- Built a responsive expense-tracking web app with Firebase authentication (Email, Google, Phone/OTP) for student and roommate use.
- Implemented a secure user dashboard to add, edit, delete, and split expenses using Firestore.

### Cosmic Car Fund (Capital One) | Next.js, TypeScript, Tailwind CSS, Supabase, Nessie API

Completed

- Built a gamified savings + expense dashboard using live banking data and car-goal tracking.
- Added streaks/badges and a payment simulator to estimate monthly costs for a target car.

## EXPERIENCE AND ACTIVITIES

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### Honors College Member

2024 – Present

Texas State University

- Active participant in academic enrichment and community engagement programs.

### .exe Computer Science Club — Member

2024–Present

- Participate in coding workshops, technical talks, and peer collaboration focused on software development.

### Alpha Lambda Delta National Honor Society — Member

(2024–Present)

- National honor society recognizing academic excellence and leadership potential.

### Bobcats LEAD Program — Participant

2025 | Texas State University

- Selected for a competitive leadership development program focused on communication, teamwork, and professional growth.