AARNAV BANSAL

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EDUCATION

The University of Texas at Austin — Bachelor of Business Administration, Canfield Business Honors, Marketing — May 2030
Bachelor of Science, Statistics and Data Science
Overall GPA: N/A | SAT: 1540 (790 Math, 750 EBRW)

EXPERIENCE

Tether - *Co-Founder & Chief Executive Officer*; Austin, TX — October 2026 - Present
- Co-founded personal-safety startup where each user's AI agent detects trouble on a night out (separated from friends late at night, stopped alone, unresponsive) and asks friends' agents to send the closest sober friend; won Best Pitch at HackTX 2026
- Built escalation and alerting flow for 24-hour HackTX prototype (React Native, Expo) running agent-to-agent escalation on real phones against a location simulator; built and presented the demo
- Shipped production landing page and waitlist (Next.js, TypeScript, Three.js/WebGL, Supabase) with security headers, server-side validation, and mobile WebGL fallbacks ahead of UT Austin launch

SafelyCFL - *Founder & Chief Executive Officer*; Edison, NJ — January 2024 - Present
- Built SafelyRecycle, cross-platform iOS/Android app (React Native, Supabase, Gemini API) that identifies hazardous household waste and routes users to certified recycling centers; placed second in Lovesac CEO Shark Tank Competition
- Lead nonprofit educating 50,000+ residents on CFL mercury pollution via two Green Fairs, schools, and EdisonTV
- Partner with NJ Assemblyman Robert Karabinchak on proposed CFL retail-ban legislation, mobilizing 300+ petition signatures and expanding outreach to Pennsylvania through Rep. Mary Isaacson

PROJECTS

Multi-Agent AI Quantitative Trading System - *Independent Project* — July 2026 - Present
- Architect three-layer Python/LangGraph multi-agent system paper-trading equities through Alpaca brokerage API, separating macro-thesis generation from tactical execution and deploying with Docker
- Engineered ATR-adaptive risk engine with conviction-scaled stop-losses, per-ticker allocation caps, and portfolio position limits, storing state in retry-safe files for reliable unattended operation
- Reduced API overhead by decoupling full S&P 500 screening from 15-minute tactical loop on top-conviction tickers and replacing LLM-based quant analysis with deterministic technical indicators

LEADERSHIP EXPERIENCE AND ACTIVITIES

UT Austin Student Government - *First-Year Representative* — September 2026 - Present
- Elected one of two First-Year Representatives; develop technology initiatives connecting students to campus resources
- Launched "The Bridge" election campaign on Instagram, reaching 550,000+ video views and 162,000+ viewers in 60 days

Middlesex County Magnet Schools AI Task Force - *Student Representative* — April 2025 - June 2026
- Co-authored district "Student Use Guidelines" (Policy 2365) governing AI use for 2,100 students as one of two student appointees; presented recommendations at District AI Summit

Congressman Frank Pallone's Youth Advisory Council - *President* — September 2024 - June 2026
- Coordinated 100+ members across eight policy committees representing 164,000 constituent students; directed eight policy memos shaping Council's legislative agenda

Model United Nations - *President* — September 2022 - June 2026
- Led 50+ delegates to school's first Best Small Delegation award at Princeton MUN; earned four individual Best/Outstanding Delegate awards at Princeton and UPenn

HONORS

- United Nations ECOSOC Youth Forum Delegate Invitee — April 2026
- First Place in New Jersey, FBLA Computer Applications (100+ competitors) — April 2024

ADDITIONAL INFORMATION AND SKILLS

Technical Skills: Python (pandas, AI/ML, LLM APIs, LangGraph), TypeScript/JavaScript, React, Next.js, React Native, SQL, Supabase/PostgreSQL, Three.js/WebGL, Docker, Git, Microsoft Excel
Languages: Fluent in Hindi; Intermediate in Spanish
Interests: F1, Shukokai Karate (Second-Degree Black Belt, Five National Titles, Team USA World Championships top eight), Content Creation, Startups, Indo-Chinese Food
Work Eligibility: Eligible to work in the U.S. with no restrictions