# Usman Khan

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## Education

**The University of Texas at Arlington** — Expected May 2028
*Honors B.S. in Computer Science, B.S. in Mathematics — GPA 3.92* — *Arlington, TX*

## Experience

**Founder** — Nov 2024 – Jan 2026
*EclipseData — data infrastructure for scraping and automation teams* — *Remote*

- Wrote the traffic gateway in Go (∼15K lines plus 7.5K lines of tests), handling 5–20M HTTP/HTTPS and SOCKS5 requests a day across two regions (Dallas, Frankfurt) at 99.9% uptime
- Built routing across 5 upstream networks with switchover in seconds, cutting bandwidth costs by ∼25%; Postgres for usage and balance accounting, systemd services with a watchdog
- Built the customer platform in Next.js and MongoDB on Vercel, with API-key access, automated provisioning, usage tracking, billing and quota enforcement
- Replaced third-party tools with in-house systems: an AI support desk, a finance app that builds a monthly P&L from orders, stock and expenses, and an automated payment-to-delivery flow
- Grew the company to $125K+ in revenue from 1,800+ paying customers and 5,100+ orders, then automated operations and stepped back

**Resident Assistant** — Jan 2026 – Present
*UT Arlington Housing* — *Arlington, TX*

- Support 200+ residents as an on-call responder, write incident reports, and plan and run building events
- Work with a team of RAs to organize building-wide events, including ones with 75+ residents attending

**Freelance Developer and Agency Lead** — Jan 2021 – Feb 2024
*Self-Employed* — *Remote*

- Built 75+ bots, automation tools and web apps in Python, Go and JavaScript for clients, from loose requirements to shipped software
- Turned a Discord bot business into a branded service with its own site and ads, then moved into automation
- Led a team of 4 developers through scoping, client communication, delegation, QA and delivery

## Projects

**flights.cx** | *LLM agents, Serper API, Vercel* — 2026 – Present

- Built an AI flight search that runs ∼43 searches, compares ∼280 itineraries and returns three ranked plans
- Saved a median 19% over manual search across 118 test searches, and 26% on long-haul international routes
- Cut search time from 4+ minutes to ∼1 minute by replacing the LLM ranking step with a typed classifier

**MavBuddy, ACM @ UTA Research** | *GPT-4.1, Flask, Python* — 2025

- Built a GPT-4.1 chatbot on university course data and ran user studies comparing it with human help

**Earnify, FinHack 2026** | *FinBERT, XGBoost, React* — 2026

- Predicted semiconductor earnings outcomes by feeding FinBERT sentiment scores into an XGBoost model

**Propertunity, HackUNT 2024 (2nd Place)** | *Next.js, MongoDB, Gemini* — 2024

- Built a property management app with an LLM assistant for maintenance tickets and tenant communication

## Leadership

**Treasurer, then Program Coordinator** — Jan 2025 – Dec 2025
*Entrepreneurship Club, UT Arlington* — *Arlington, TX*

- Ran MavMarket, a campus marketplace with 100+ student vendors and $50K+ in vendor sales
- Handled the club budget as treasurer, then ran club operations and programming as program coordinator

## Skills & Activities

**Languages**: Go, Python, TypeScript, JavaScript, SQL, C, Java
**Frameworks**: Next.js, React, FastAPI, Flask
**Infrastructure**: PostgreSQL, MongoDB, SQLite, Linux, systemd, GitHub Actions, Vercel
**AI & Scraping**: LLM agents, web scraping, proxy networks, XGBoost
**Activities**: Y Combinator Startup School 2026 (San Francisco)