

Ahnaf Adib

DFW, Texas — ahnafadib7546@gmail.com — [Portfolio](#) — [LinkedIn](#) — [GitHub](#)

Education

University of Texas at Dallas

B.S. in Computer Science

Expected May 2027

GPA: 3.9 / 4.0

Skills

Languages: Python, TypeScript, SQL, C++, Java

AI/ML: PyTorch, Transformers, LangGraph, NLP, Question Answering, Text Classification

Cloud/Infra: GCP, AWS, Kubernetes, Docker, Cloudflare

Experience

Software Engineer Intern

Yobi

Dallas, TX

Jun 2025 – Dec 2025

- Built and deployed a production Python voice agent rolled out to customers, reducing escalation errors by 60%, cutting multi-intent latency by 300ms, increasing patient bookings by 22%, and reducing no-shows by 15%
- Improved AI tool-call reliability from 70% to 85% through schema redesign, prompt iteration, and memory tracking, reducing cost per 1,000 calls by 27%
- Redesigned multi-tenant infrastructure on GCP and Kubernetes using tenant-level pod isolation, eliminating cross-tenant incidents and cutting deployment time to under 5 minutes

AI/ML Researcher

University of Texas at Dallas

Richardson, TX

Feb 2025 – Present

NSF-funded, advised by Dr. Latifur Khan — Awarded \$20K in funding as an undergraduate

- Built a LangGraph-based multi-agent pipeline for thematic analysis, transforming raw text into structured themes through a staged workflow that reduced expert analysis time by 10x and automated 70% of manual research effort
- Fine-tuned ConflBERT for classification and question-answering tasks across conflict-text datasets, achieving 90% F1 on classification workloads
- Extended conflict-domain NLP models to Spanish and Arabic through multilingual data adaptation, enabling cross-lingual classification and QA in collaboration with political scientists
- Building a county-disparities study applying spatial regression, Bayesian spatial modeling, and XGBoost across 34 outcomes and 34 predictors across 3100+ counties

Co-Founder

A.K Digital International

Remote

Jun 2023 – Mar 2024

- Bootstrapped a web development agency from \$0 to \$10K in 60 days, delivering e-commerce sites, restaurant websites, and custom web applications to 8+ SMB clients

Projects

Small Language Model from Scratch ([GitHub](#))

Aug 2025

- Built and trained a 60M-parameter transformer in PyTorch with a custom tokenizer, attention stack, and mixed-precision training on 2M samples, reducing training loss from 9.4 to 2.4

CodeCollab – Real-Time Collaborative Editor ([GitHub](#))

Sep 2024

- Built a multi-user code editor with React, Node.js, and WebSockets, including AI-assisted suggestions; deployed on AWS ECS with Cloudflare R2

SauceBros Sales Forecaster – 2nd Place, HackAI 2025 ([Demo](#))

Apr 2025

- Built a sales forecasting system combining social sentiment scraping with predictive modeling, achieving 94% accuracy and shipping a React/Chart.js dashboard in a 36-hour sprint

Publications

Adib, A. *Automating Thematic Analysis of COVID-19 Vaccine Hesitancy in Alaska with Multi-Agent LLM Systems.* **Review, Scientific Reports (Springer Nature)**

Adib, A. *When Growing Food is No Longer Enough: Indigenous Food Security Study.* **Review, Agriculture & Food Security (Springer Nature)**