

Akhil Krishnamurthy

469-301-8315 | akhil2006@utexas.edu | linkedin.com/in/akhil-kri/ | github.com/AkhilKrishna16 akhilkrishnamurthy.com

EDUCATION

University of Texas – Austin

Austin, TX

B.S. in Computer Science, Minor in Business

May 2028

GPA: 4.0

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Swift, Dart

Frameworks: React.js, Express.js, Node.js, SST.js/ION, Flask, Flutter

Services/Technologies: AWS Cloud, GCP, TensorFlow, GitHub, Postman API, Insomnia, Figma

EXPERIENCE

DeNote

May 2024 – Present

Founder and Software Developer

Frisco, TX

- Developing AI teaching service alongside **team of 6** for **reinforcement** and **deep learning tutorials** in **stock trading** and **making markets** for high school and university students.
- Implemented **7 Deep Learning** models and **Reinforcement Learning** agents to analyze and predict the stock market. Averaged **\$2000** in simulated profit from agents after market analysis.

LH Eats

July 2024 – Present

Co-Founder/Software Engineer

Austin, TX

- Designed and published full-stack **React Native** app alongside **team of 4** to **display** and **create customized meals** for university students. Gained **3000+** users across UT-Austin. **Acquired by UT-Austin**.
- Utilized **Python** and **Node.js** for **web scraping** backend and serverless functions. Automated utility functions with **AWS Lambda** and **EventBridge/CloudWatch** (CRON Job).

Orlando O Spencer Incorporated

Aug. 2023 – Oct. 2023

Full-Stack Engineering Intern

San Diego, CA (Remote)

- Worked on **two iOS and Android apps** for **flight simulation environments** as consulting service for **pilot schools**. **Decreased** Firebase API request usage by **12%** and **MongoDB** read/write requests by **14%**.
- Utilized **Swift** and **Postman API integration** to implement **frontend** in XCode production environment; managed **authentication** services using **Firebase** and **MongoDB** database systems.

COVIS Lab – University of North Texas

Aug. 2022 – Dec. 2023

Undergraduate Researcher

Denton, TX

- Developed a novel **computer vision** model for human tracking in depth videos for physiotherapy and movement-based rehabilitation. Presented work at **3 research conferences** and won **2 awards**.
- Utilized OpenCV in point cloud **analysis**. Improved accuracy by **40%** and classification rate by **12%**.

PROJECTS

Longhorn Lunch | *NextJS, ReactJS, NodeJS, Python, AWS, Vercel, PostgreSQL*

May 2024 – August 2024

- Designed a full-stack web application for **displaying UT-Austin dining meals** for students. Received over **5000 monthly** REST API requests. **Acquired by LH Eats**.
- Deployed Python web scraper with AWS Lambda and automated functionality with AWS **EventBridge** and **CloudWatch**.

MedBot | *Flutter, Python, C++, Swift, GCP Cloud Run, GCP Cloud Functions*

Nov. 2023 – Oct. 2023

- Designed an iOS mock-app **medical AI assistant** in **Google All-Inclusive Hacks** for low-resource communities. Won **1st Prize** out of 693 participants with **2 news publications**.
- Developed a custom **NLP** model in **TensorFlow** with **98% accuracy** in prediction of medical condition based on user text. Deployed backend on **Flask** server with **GCP**.

FitKing | *Flutter, Swift, C++, GCP, Firebase, Cloud Firestore*

July 2023 – Sep. 2023

- Developed a friendly-competitive mock-iOS fitness app with **Flutter** and **Swift**.
- Managed user authentication through **Firebase**; stored user documents through **Google Cloud Firestore**.

FISD Grades Web Scraper | *Python, Selenium, BeautifulSoup4, WebAuth, pandas*

Dec. 2022 – Jan. 2023

- Developed a Python script to authenticate and scrape **academic data** such as grades for **Frisco ISD students K-12**. Cloned by **100+** users on GitHub.