

# Ali Nawab

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## EDUCATION

University of Texas at Dallas

Expected Graduation - May 2027

Bachelor of Science, Computer Science

Relevant Coursework: Data Structures, Algorithms, Software Engineering, Deep Learning, Machine Learning

## SKILLSETS

Languages: **Python** (Intermediate), **Java** (Intermediate), **C++** (Beginner), **C#** (Beginner), **JavaScript** (Intermediate)

Frameworks: Node.js, Firebase, Express, GraphQL, OpenCV, Flask, Spring boot, ASP.NET, FastAPI, Flutter

## EXPERIENCE

Software Engineer Intern

January 2025 – March 2025

Palantir

- Collaborated with Palantir engineers in hands-on technical workshops focused on large-scale data processing, cybersecurity, and AI-driven solutions.
- Developed solutions using Palantir's Foundry and Gotham platforms while refining software engineering and data analysis skills.
- Utilized Python programming for data preprocessing, feature engineering, and model evaluation.

Software Engineer Intern

September 2024 – January 2025

Target Inc.

- Collaborated with Google and Amazon developers to design and implement an AI tracker to monitor physiotherapy sets and their quality, enhancing patient care.
- Utilized **Next.js** and **Firebase** for backend development, ensuring efficient data management and retrieval, which improved system performance and user experience by **9%**.
- Employed **TensorFlow** to train machine learning models, resulting in actionable feedback for clients and **180+** satisfied reviews.

Software engineer Intern - MLH Fellow

June 2024 – September 2024

Meta

- Selected **1 of 50** students out of an **5,000+** application pool, to work with Meta engineers.
- Set up system and container monitoring, alerting, and visualization using **Prometheus** and **Grafana**
- Optimized infrastructure using **Docker** and **Kubernetes**, reducing system downtime by **5%**.
- Implemented microservices architecture, enhancing system scalability and improving response times by **12%**.

## PROJECTS

Meddy: Lead Back-end Engineer – [trymeddy.com](https://trymeddy.com) | **Flutter** | **JavaScript** | **Dart** | **Firebase** | **Gemini API** | **PostgreSQL**

- Engineered a user-friendly AI to bridge communication gaps in healthcare.
- Delivers real-time medical answers, health insights, and treatment reminders through a voice-controlled interface.
- Led a **team of 5 engineers** for back-end development and guided **4 engineers** with the front-end development, collaborating with a total of **15 teammates**.

AI Agent: Sole Contributor – [github.com/yaboiali/Ai-Meal-Planner](https://github.com/yaboiali/Ai-Meal-Planner) | **Python** | **LangChain** | **LangGraph** | **Tavily**

- Used **Streamlit**, **Tavily**, and **Gemini** to create an agent that gives you a personalized diet plan for the next 7 days.
- Created **5 Agents** who work on different tasks and collaborate to create the best personalized meal plan.

Study Buddy: Full stack Engineer – [bit.ly/StudyBddy](https://bit.ly/StudyBddy) | **JavaScript** | **MongoDB** | **Mongo Atlas** | **Apollo** | **GraphQL**

- This full-stack web app allows users to create and share flashcards,
- Used **MongoDB** with **GraphQL** and **Apollo** to handle the database and **JSON** web tokens and **bcrypt** to manage user logins.

## ACTIVITIES

- Leading programming classes for high school students. Teaching more than **25+** Students about SWE and AI.
- A member and lead of the Google Developer Student Club at **UT Dallas**.
- Fellow at Headstarter AI – Leading community for making Software engineers go from 0-1
- NLP Research Assistant at UT Dallas