Ali Nawab

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EDUCATION

University of Texas - Dallas   *Expected Graduation - May 2026*
Bachelor of Science, Computer Science
Relevant Coursework: Data Structures, Algorithms, Software Engineering, Deep Learning
University of California at Irvine   *Graduated September 2023*
Software Engineering Bootcamp

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   September 2024 – Present
Outlier
- Create machine learning models (using **Python** and **TensorFlow**) to find and fix data issues, making sure systems are accurate and reliable.
- Work closely with different teams to add these models into existing processes, using tools like **Python**, **SQL**, and **Spark** to improve data handling.
- Keep checking how well the models are working and make improvements to ensure the system catches issues quickly and accurately.

Software engineer Intern - MLH Fellow   June 2024 – September 2024
Meta
- Selected as **1 of 50** fellows from over **4,000** applicants (**< top 1.2%**) to work with **Meta**
- Developed an open-source web app using **Python**, achieving **95%** test coverage with **unittest**
- Implement Automated **CI/CD** pipelines using **Docker**, cutting manual deployment time by **80%** through script automation and containerization, along with **Nginx** handling **10,000+** requests/min
- Initiated monitoring and alerting systems with **Prometheus** and **Grafana**, reducing incident response time by **50%**

Software Engineer Intern   May 2024 – June 2024
Stealth Series A Startup
- 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.

PROJECTS

Meddy: *Lead Back-end Engineer –* 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 –* bit.ly/Gemini-Agents | **Python | LangChain | LangGraph | Tavily | Streamlit**
- 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 | **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