

SIFAT ISLAM

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EDUCATION

The University of Texas at Dallas

Bachelor of Science in Computer Science

Aug. 2022 – May 2027

GPA 3.97

- Achievements: Dean's List, Academic Success Scholarship
- Relevant Coursework: OOP, Computer Architecture, Discrete Math, Data Structures & Algorithms, Programming Languages & Paradigms, Probability & Statistics, Database, Digital Logic, Computer Networks, Computer Security , Operating Systems

TECHNICAL SKILLS

Languages: Java, Python, C++, C, C#, JavaScript, HTML, CSS, Dart, SQL, Racket, Prolog, Visual Basic, Assembly(MASM)

Frameworks: React, NodeJS, Flask/Fast api, Flutter, Firebase, Firestore, MongoDB, NextJS, SQLAlchemy, Framer Motion, .Net

Developer Tools: Docker, Eclipse, XCode, Unity, PyTorch, Docker, Git/GitHub, Linux, Postman, Kubernetes, Langchain, RAG

EXPERIENCE

Software Engineering Co-op (Embedded Linux)

Jan. 2026 – Apr. 2026

Adtran

Dallas, TX | Huntsville, AL(remote)

- Developing and debugging **C++** software for an **embedded Linux**-based **Ethernet** network demarcation device drivers.
- Implemented and validated **APL layer** port-speed handling and traffic-control rules for carrier-grade **Layer-2 networking** on Linux, testing via simulators and physical devices using custom **kernel builds** and **device-driver** development/debugging.
- Supported **CLI** and **Web/GUI** interfaces for device configuration and monitoring using Git on large scale C++ codebase.

Student Support Analyst

Jan. 2025 – Dec. 2025

UT Dallas Office of Information Technology

Richardson, TX

- Facilitated technical support for UTD systems via phone, email, chat, remote tools, and in-person at the Technology Bar, achieving a **97%** satisfaction rate while utilizing **Jira**, **TeamDynamix**, **Sailpoint** and **PEARL** for ticket management.
- Resolved over 30 technical support tickets daily, achieving a **98%** first-call resolution rate by troubleshooting diverse software and hardware issues and maintained detailed support records for accurate documentation and follow-up.

Backend Software Developer

Jan. 2024 – April 2024

Association for Computing Machinery at UTD

Richardson, TX

- Spearheaded team of 5 to develop an Android app connecting **30,000+** students to events from **50+** university organizations.
- Integrated and trained AI agent (OpenAI **GPT-4 Turbo**) providing personalized event recommendations with **90%** accuracy.
- Designed **Firebase NoSQL** schema which tested for **50%** more efficient data retrieval and real-time sync with agent scope.

PROJECTS

MedSplit | NextJS/React, Javascript, MongoDB, TailwindCSS, Flask, Python, NodeJS, Gemini API

Sep. 2025

- Architected a healthcare marketplace for **demand pooling**, verified donations, and micro grants with **server-side** validation, and progress tracking built with **REST APIs** to make essential drugs more affordable while instilling a sense of community.
- Implemented modular **TypeScript UI** with client-store patterns (interactive **CRUD**, optimistic updates) enabling real-time auth, doctor-verified **document sharing**, and seamless payment interactions with auto generated downloadable receipt.

FinSight AI | LangChain, LlamaIndex, Unstructured.io, OpenAI API, NextJS, MongoDB, Flask

Apr. 2025

- Led the development of an application for employees to upload and query annual financial reports through an AI agent.
- Integrated **LangChain**, **RAG**, and advanced **PDF parsing** strategies to analyze unstructured and non-text-based content.
- Benchmarked performance with custom **unit testing** and API tuning, improving QA accuracy from **37% to 67%**.

HydraWatch | Flask, NextJS/React, TailwindCSS, SQLAlchemy, ML(Regression), scikit-learn

Nov. 2024

- Developed a fullstack web app for EOG Resources at HackUTD 2024 for real-time hydrate anomaly predictions in gas pipelines.
- Trained a regression model with **95% accuracy** in **Google Colab**, integrated with **Flask** backend for real-time predictions.

LEADERSHIP/ORGANIZATIONS

Bangladeshi Student Organization | Officer (Graphic Design and Social Media

Aug. 2022 – May 2023

Association for Computing Machinery at UTD | Project member

Feb. 2024 – Apr. 2024

Artificial Intelligence Society at UTD | Member

Aug. 2023 – Dec. 2023