Sifat Islam

● **Email:** reevu1214@gmail.com ● 469-750-7728 ● **Art Portfolio:** Revart
● **GitHub:** Reevu01 ● **LinkedIn:** Sifat Islam

EDUCATION:

The University of Texas at Dallas, Richardson, TX   **August 2022 - May 2027**
Bachelor of Science in Computer Science   **GPA- 3.97**
Achievements: Dean's List, Academic Success Scholarship

Development Skillset:

Programming Languages: Java, Python, C++, C, C#, Assembly, JavaScript, HTML, CSS, Dart, SQL
Frameworks: React, NodeJS, Flask, Flutter, Firebase, Firestore, MongoDB, NextJS, SQLAlchemy, Framer Motion, Shadcn,
Development Tools: VS/ VS Code, Eclipse, XCode, Unity Game Engine, PyTorch, Docker, Git/GitHub, Google Colab, Linux, Postman, LangChain, LlamaIndex, Unstructured.io

RELEVANT COURSEWORK:

Intro to C++, Object Oriented Programing in Java and C++, Computer Architecture (MASM), Discrete Math, Data Structures and Algorithm, Programming Languages and Paradigms, Probability and Statistics for CS and SE, Database Systems

WORK EXPERIENCE:

UT Dallas Office of Information Technology | Student Support Analyst   **January 2025-Present**
- Provided quality technical support for UTD systems and services via phone, email, remote tools, chat, and in-person at the Technology Bar, ensuring seamless connectivity and high user satisfaction.
- Troubleshot and resolved technical issues efficiently, assisted with approved technologies, and maintained detailed support records for accurate documentation and follow-up.

UT Dallas-Learning Technologies | eLearning Recording Studio Assistant   **January 2024-August 2024**
- Supported academic staff by guiding the use of multimedia editing and production tools contributing to eLearning content through the editing, production, and review of more than **50** multimedia materials, achieving an average of **95%** faculty satisfaction rate.

PROJECTS:

FinSight AI | *LangChain, LlamaIndex, Unstructured.io, OpenAI API, Nextjs, MongoDB, Flask*   **April 2025**
- Led the development of an AI-powered web app enabling employees to upload annual financial reports and query them through an AI Agent, making conversational summaries, insights, and answers by parsing and analyzing unstructured PDF data.
- Implemented advanced parsing pipelines with **LlamaIndex**, **LangChain**, and **Unstructured**.io to extract textual and visual elements (e.g., tables, charts), converting them into a structured format that improved LLM interpretation accuracy by over **30%**.
- Conducted performance benchmarking through custom unit testing and API tuning to optimize LangChain's QA accuracy from 37% to 67% while maintaining a practical response time under token limits.

HydraWatch | Flask, NextJS/React, TailwindCSS, SQLAlchemy, Google Colab, Machine Learning,   **November 2024**
- Collaborated with a team of 5 at **HackUTD 2024** to build HydraWatch, a deployable web app for EOG Resources, training and integrating a machine learning model with **RESTful** API endpoints made in **Flask** to provide real-time anomaly detection and **visualization** to monitor and predict hydrate formation in gas pipelines reducing potential shutdown cost for millions of dollars.
- Engineered a dynamic **Next.js** frontend with **TailwindCSS** and **Framer Motion** animation components, delivering interactive, real-time dashboards that update charts and predictions live and give hydrate formation and **prediction alerts**.
- Trained a **linear regression** machine learning model in **Google Colab** using thousands of sensor data points over 4 months given by EOG, achieving over **95%** accuracy, and seamlessly integrated it into the Flask backend via a pickle file to predict hydrate formation based on real-time gas injection metrics and historical data, optimizing pipeline operations.

Game Vault | *NextJS /React, Javascript, MongoDb, TailwindCSS, Flask, Python, NodeJS*   **September 2024**
- Developed a full-stack web app with **Flask** and **NextJS** and connecting them with **CORS** to serve as a personalized game library, enabling users to catalog games with details such as purchase sources, playtime, and completion time by creating **RESTful api** endpoints on Flask and fetching it with NextJS optimizing CRUD operations to ensure the handling of game library entries.

Expert Events | Dart, Flutter, Firebase, Firestore ,OpenAi API , ,Generative Artificial Intelligence (AI), LLM   **February 2024 - April 2024**
- Participated in a team of 5 to design an android app in agile, fast paced and dynamic environment that hosts and connects events posted by **50+** university organizations to more than **30,000** students to get them to be engaged in different communities and have a sense of belonging.
- Trained and implemented an **AI** chatbot powered by gtp-4 turbo model from **OpenAi** API that gives the user personalized feedback by intelligently analyzing user's previous attended and interested event data with accuracy of **90%**
- Engineered and managed the Firestore database schema for **50%** more efficient storage retrieval compared to default SQL database, and real-time synchronization of event data within the app, ensuring data integrity and seamless user access.

ACTIVITIES:

Artificial Intelligence Society at UTD, Member   **Fall 2023**
Bangladeshi Student Organization, Creativity Officer   **Fall 2022 -Spring 2023**
The Association for Computing Machinery at UTD, Project Participant   **February 2024 - April 2024**
Languages: English, Bengali