Aproteem Majumder

945-527-5215 | aproteem21@gmail.com | linkedin.com/in/aproteem | github.com/Aproteem

EDUCATION

B.Sc. in Computer Science   **GPA: 3.93 | Dean's List | AES Scholar**
The University of Texas at Dallas (UTD)   *May 2027*

Relevant Coursework: Software Engineering, Data Structures & Algorithm, OOP, Unix/Linux Systems, Probability & Stats, Database Systems, Computer Architecture, Programming Paradigms, Computer Design & Digital Logic

TECHNICAL SKILLS

Programming: Python, Java, C/C++, C#, JavaScript, HTML, CSS, SWI Prolog, Racket MATLAB
Developer Tools: VS Code, Git, MySQL, MongoDB, SQLAlchemy, MIPS, Unity, Figma, Blender, Android Studio
Frameworks: React, Flask, React-Native, Next.js, Express.js, NativeWind, TailWind, Expo, LangChain

EXPERIENCE

Full-Stack Developer - Mobile   **Feb 2025 – May 2025**
Association for Computing Machinery (ACM)   *Richardson, TX*

- Built a cross-platform mobile application allowing users to track their dreams and analyze with OpenAI integration.
- Researched front-end design psychology and practices; helped create a UX that over **90%** of users found intuitive
- Used **React Native** and **Nativewid CSS** to build responsive components and achieved **100%** accuracy to initial design
- Built **RESTful APIs** using **Node.js** and integrated with front-end and **MongoDB**, ensuring smooth CRUD operations
- Utilized **AWS S3** for image storage; boosted **system scalability** and increased image generation capacity by **200%**.

Computer Technician   **Oct 2024 – Present**
Office of Information Technology   *Richardson, TX*

- Delivered technical support for UTD systems via phone, email, chat, and in-person; resolved **800+** customer issues.
- Received over **97%** in performance review for ticket organization and customer satisfaction.
- Collaborated with IT professionals using **enterprise systems** like TeamDynamix, Jira, Amazon Connect, and PEARL.
- Trained new hires on problem-solving and effective communication skills; reduced average onboarding time.

PROJECTS

MedSplit   **Sep 2025**

- WebApp (**React + Next.js**) that helps communities improve access to medication by donation, grants or bulk purchase.
- Configured modular UI components with **TypeScript** and REST API integration, enabling real-time authentication, file/document sharing, and payment system interactions between frontend and backend services.
- Streamlined design for scalability and usability, allowing multiple users to perform operations

FinSight AI   **Apr 2025**

- Web-App that lets users upload annual financial reports and interact with them via a conversational chatbot.
- Integrated a **LangChain + GPT-4** pipeline to extract insights from unstructured PDFs and non-text-based contents.
- Used document chunking and API tweaking to increase LLM accuracy from **37% to 67%** and execution time to **seconds**.

HydraWatch   **Nov 2024**

- Trained a **linear regression model** on four months of sensor data, achieving **95%** accuracy.
- Deployed the Machine Learning Model through Pickle into a **Flask** backend for real-time inference of anomaly.
- Engineered a database with **SQLAlchemy** and **SQLite** to manage **100,000+** IoT data points.

LEADERSHIP / EXTRACURRICULAR

Bangladesh Student Organization   **Fall 2025 – Present**
Director of Cultural Affairs   *The University of Texas at Dallas*

- Managing a team of officers to plan and execute 5+ campus events; responsible for showcasing our culture.
- Volunteered and collaborated with other Cultural Clubs to promote diversity and inclusion on campus.
- Served as host and performed at events utilizing public speaking skills and extracurricular abilities (singing).