Aproteem Majumder

📞 945-527-5215 ✉ aproteem21@gmail.com in linkedin.com/in/aproteem ⊙ github.com/Bradknock

EDUCATION

B.Sc. in Computer Science   GPA: 3.93 | Dean's List
The University of Texas at Dallas (UTD)   *Aug 2023 – May 2027*

TECHNICAL SKILLS

Programming: Python, Java, C/C++, C#, HTML/CSS/JavaScript, MATLAB
Developer Tools: VS Code, Git, Unix/Linux, MySQL, MongoDB, SQLAlchemy, Unity, Figma, Blender, Android Studio
Frameworks: Flask, Expo, React Native, Express.js, Tailwind CSS

EXPERIENCE

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 over **800** customer issues.
- Diagnosed and troubleshot hardware, software, and network issues and collaborated with IT professionals using **enterprise systems** like TeamDynamix, Jira, and Amazon Connect.
- Enhanced **problem-solving** and **communication** skills through a **customer-focused** approach.
- Streamlined training of new hires in customer interaction and ticketing workflows, reducing onboarding time.

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

- Developed interactive and responsive mobile interfaces using **React Native** and **NativeWind** and integrated with **Express.js APIs** and **MongoDB** database
- Designed prototype in Figma, focusing on usability, Optimized navigation flow, and cross-platform compatibility; over **90%** of surveyed users deemed the app easy to navigate and engaging.
- Used OpenAI for text processing, DALL-E for image generation, S3 AWS to store images, reducing storage required by **35%**
- Led the team of 4 developers through the Agile Software Development Cycle using tools like kanban board and Git.

PROJECTS

HydraWatch   Nov 2024

- Built a full-stack web app with Flask (REST APIs) and Next.js using **Tailwind CSS** and **Framer Motion**; delivered interactive dashboards with live hydrate predictions and anomaly alerts.
- Trained and integrated a **linear regression model** in Google Colab on four months of EOG sensor data to reach **95%** accuracy; deployed via pickle into the **Flask** backend for real-time inference.
- Engineered a database with **SQLAlchemy** and **SQLite** to manage **100,000+** IoT data points and CSVs for efficient retrieval and analytics.

FinSight AI   Apr 2025

- Built an AI-powered web app that lets users upload annual reports and interact with them via a conversational chatbot
- Engineered a LangChain + GPT-4 pipeline to extract insights from unstructured PDFs and created a real-time dashboard for financial data visualization
- Improved LLM accuracy from **37%** $\rightarrow$ **67%** and reduced execution time from **15min** $\rightarrow$ **30sec** through prompt engineering and document chunking

CiderCade   Oct 2024

- Designed a Java file-based database system that read from a text, helping understand database concepts.
- Leveraged a **Binary Search Tree (BST)** and **OOP** paradigms (inheritance, polymorphism) for streamlined data curation.
- Implemented add/modify/delete/sort operations driven by instruction files; tested exhaustively across edge cases and large volumes, achieving **100%** pass rate.

LEADERSHIP / EXTRACURRICULAR

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

- Managed a team of officers to plan and execute over five campus events, applying management and delegation skills.
- Served as host and performed at events utilizing public speaking skills and extracurricular abilities (singing).
- Ensured proper representation of culture, collaborated with other clubs to promote diversity and inclusion on campus