Seeyan Newaz

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EDUCATION

The University of Texas at Dallas Aug 2022 – May 2026
Bachelor of Science in Computer Science *Richardson, TX*
- GPA: 3.89
- Achievements: Academic Excellence Scholar, Dean's List, Edexcel High Achievers' Award, The Daily Star Award
- Relevant Coursework: OPP (Java, C++), Computer Architecture (MIPS), Discrete Mathematics, Data Structures & Algorithms, Programming Languages & Paradigms, Probability & Statistics in CS/SE, Database Systems

TECHNICAL SKILLS

Languages: C, C#, C++, Java, Python, HTML, PHP, CSS, JavaScript, TypeScript, Assembly, Dart, SQL
Frameworks/Libraries: Flask, Flutter, React.js, Chakra UI, SQLAlchemy, Framer Motion, Next.js, Node.js, Tailwind CSS
Developer Tools: Visual Studio, VS Code, IntelliJ IDEA, Jupyter, Google Colab, Git/Github, Firebase, Linux, Postman

EXPERIENCE

Peer Tutor for Calculus & Linear Algebra Aug 2023 – Present
Student Success Center, The University of Texas at Dallas *Richardson, TX*
- Delivered one-on-one tutoring in Calculus and Linear Algebra, achieving a **100%** student satisfaction rate and contributing to a **60%** grade improvement for students.
- Adapted teaching strategies to diverse learning styles and fostered a collaborative, growth-oriented environment, increasing student confidence and mastery of higher-level concepts.

Software Developer Intern May 2025 – Aug 2025
Paycom *Irving, TX*
- Built a full-stack PDF data extraction pipeline for new-client onboarding, enabling **$1M+** potential savings.
- Developed an interactive annotations tool and table detection algorithms to cut manual setup by up to **5** days/client.
- Designed and trained custom **NLP & NER** models to extract structured entities.
- Architected backend systems to infer relationships and auto-classify data for efficient extraction.
- Managed **CI/CD** pipelines and version control in GitLab, driving collaboration under constraints.

PROJECTS

HydraWatch | *Flask, NextJS/ReactJS, Tailwind CSS, SQLAlchemy, SQLite, ML* Nov 2024
- Developed a web app at HackUTD 2024 for real-time hydrate anomaly detection in gas pipelines.
- Trained and integrated a **95%** accurate regression model with Flask backend for real-time predictions.

Listernships | *Flask, ReactJS, SQLite, SQLAlchemy, Chakra UI* Oct 2024
- Developed a full-stack web app with CRUD functionality and a SQLite backend to manage and track internship applications.
- Implemented real-time status updates and responsive design to ensure accurate recordkeeping across all devices.
- Enhanced user experience with Chakra UI integration, including dark mode and accessible, customizable interfaces.

ExpertEvents | *Dart, Flutter, Firebase, Firestore, OpenAI API, GPT-4 Turbo* Feb 2024 – Apr 2024
- Worked in a team of 5 to develop an Android app connecting **30,000+** students to events from **50+** university organizations.
- Integrated an AI chatbot providing personalized event recommendations with **90%** accuracy.
- Designed Firestore schema for **50%** more efficient data retrieval and seamless real-time sync.

ACTIVITIES

Bangladeshi Student Organization at UTD Aug 2022 – Aug 2025
Member

Association for Computing Machinery at UTD Feb 2024 – Apr 2024
Project Participant

Artificial Intelligence Society at UTD Aug 2023 – Dec 2023
Member