

SEYYAN NEWAZ

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EDUCATION

The University of Texas at Dallas

Bachelor of Science in Computer Science

Aug 2022 – May 2026

GPA: 3.89

- **Achievements:** Academic Excellence Scholarship, Dean's List, Edexcel High Achievers' Award, The Daily Star Award
- **Relevant Coursework:** Computer Architecture (MIPS), Discrete Mathematics, Data Structures & Algorithms, Programming Languages & Paradigms, Probability & Statistics in CS & SE, Database Systems, Digital Logic, Computer Networks
- **Organizations:** Association for Computing Machinery- The University of Texas at Dallas Chapter (Member), Bangladeshi Student Organization at UTD (Member), Artificial Intelligence Society at UTD (Member)

TECHNICAL SKILLS

Languages: C, C#, C++, Java, Python, HTML, PHP, CSS, JavaScript, TypeScript, Assembly, Dart, SQL

Frameworks/Libraries: Flask, Flutter, React.js, Next.js, Node.js, Chakra UI, SQLAlchemy, Framer Motion, Tailwind CSS

Developer Tools: Jira, Visual Studio, VS Code, IntelliJ IDEA, Jupyter, Google Colab, Git/GitHub/GitLab, 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 and group tutoring sessions for Calculus and Linear Algebra to over **500+** undergraduate students, 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.
- Designed custom problem sets with detailed solutions, leading to better grades and knowledge retention of students.

Software Developer Intern

May 2025 – Aug 2025

Paycom

Irving, TX

- Built a full-stack PDF data extraction pipeline using **C# & .NET** 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 using **Apache OpenNLP** 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.

Backend Software Developer

Feb 2024 – April 2024

Association for Computing Machinery- The University of Texas at Dallas Chapter

Richardson, TX

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

PROJECTS

AI Resume Critiquer | Python, Streamlit, OpenAI API, PyPDF2, uv pip interface

Nov 2025

- Built an **AI-powered** resume critiquing web app that lets users upload PDF/TXT resumes and receive structured feedback tailored to specific job roles.
- Designed an interactive UI with sidebar controls for feedback style (direct, detailed, etc) and focus areas (ATS, formatting, etc).
- Integrated **OpenAI's GPT-4o-mini** to analyze resume content for clarity, skills presentation, and impact, returning actionable suggestions with concrete rewrites and improvements.

HydraWatch | Flask, NextJS/ReactJS, Tailwind CSS, SQLAlchemy, SQLite, ML

Nov 2024

- Engineered a full-stack web app for EOG Resources at HackUTD 2024 to detect hydrate anomalies in gas pipelines in real time.
- Trained a **95%** accurate regression model in **Google Colab**, and integrated it with **Flask** backend for real-time predictions.

Listernships | Flask, ReactJS, SQLite, SQLAlchemy, Chakra UI

Oct 2024

- Developed a full-stack web app with **CRUD** functionalities 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.