Seeyan Newaz

945-400-7069 | seeyannewaz@gmail.com | linkedin.com/in/seeyan-newaz | github.com/seeyannewaz | seeyannewaz.com

Education

The University of Texas at Dallas **Aug 2022 – May 2026**

Bachelor of Science in Computer Science *GPA: 3.91*

- **Relevant Coursework:** Computer Architecture, Discrete Maths, Data Structures & Algorithms, Software Engineering, Programming Languages & Paradigms, Probability & Statistics, Database Systems, Linear Algebra, Computer Networks, Digital Logic
- **Organizations:** Association for Computing Machinery at UTD (Member), Artificial Intelligence Society at UTD (Member), Bangladeshi Student Organization at UTD (Member)
- **Achievements:** Academic Excellence Scholarship, Dean's List, Edexcel High Achievers' Award, The Daily Star Award

Technical Skills

Languages: Python, Java, C/C++, C#, JavaScript/TypeScript, SQL, Assembly, Dart, Lisp, Prolog, VHDL

Frameworks/Libraries: React.js, Next.js, Node.js, Angular, Spring Boot, .NET, Flask, Tailwind CSS, SQLAlchemy, Flutter

Developer Tools: Git, Docker, Kubernetes, Linux, Postman, JIRA, Hugging Face, OpenAI API

Cloud & Databases: AWS, Microsoft Azure, PostgreSQL, MySQL, Firebase, Oracle

Experience

Peer Tutor for Calculus & Linear Algebra **Aug 2023 – Present**

Student Success Center – The University of Texas at Dallas *Richardson, TX*

- Achieved **60%** average grade improvement over **500+** undergraduates by delivering personalized 1:1 tutoring.
- Enhanced concept mastery and confidence of students by tailoring explanations and practice to diverse learning styles.
- Boosted exam readiness and achieved **100%** student satisfaction by creating custom problem sets and step-by-step solutions.

Software Developer Intern **May 2025 – Aug 2025**

Paycom *Irving, TX*

- Engineering a full-stack **C#/.NET** PDF data extraction pipeline for new client onboarding, projected to generate **$100K+** savings.
- Cut manual setup by upto **5** days/client by building a **React**-based annotation tool and intelligent table-detection algorithms.
- Reduced manual labeling/review time by **70%** by developing custom **NLP/NER** models for structured entity extraction.
- Facilitated automated relationship mapping among data by designing inference & auto-classification backend services.
- Improved delivery reliability by managing CI/CD and version control in GitLab.

Backend Software Developer **Feb 2024 – Apr 2024**

Association for Computing Machinery – The University of Texas at Dallas Chapter *Richardson, TX*

- Built an Android events app serving **30K+** students across **50+** university organizations by working in a **Scrum-based 5**-person team.
- Delivered **90%** accurate personalized event recommendations by integrating a **GPT-4 Turbo** chatbot into the user experience.
- Enhanced data retrieval efficiency by **50%** by designing a **Firestore** schema for real-time synchronization.

Projects

ReceiptBuddy | ***Docker, Spring Boot, Angular, PostgreSQL, OpenAI API*** **Feb 2026**

- Developed an **AI-driven, full-stack** web app using **GPT-5.2** that enables users to upload receipt images and track expenditures.
- Cut manual receipt processing by **50%** through automated extraction and analysis of expenditure data.
- Built a dynamic **Angular** frontend that displays all-time/monthly insights, real-time data visualization and spending trends.
- Optimized user experience through **Docker** containerization, ensuring consistent performance across environments.
- Streamlined database setup and management by utilizing **PostgreSQL** for scalable, persistent storage.

InboxIntel | ***Python, Streamlit, PostgreSQL, Gmail API, OpenAI API*** **Nov 2025**

- Engineered an **AI-powered, full-stack** intelligent inbox assistant using **GPT-5.1** to retrieve and process unread messages in real time.
- Cut manual email processing time by **60%** through automated summaries, prioritization, task extraction, and reply drafts.
- Designed a responsive **Streamlit** interface by building dynamic filters and metrics.
- Reduced duplicate processing by implementing **PostgreSQL** state management and deduplicated query flows.

HydraWatch | ***Flask, Next.js/React.js, SQLite, SQLAlchemy, ML*** **Nov 2024**

- Built a **full-stack** web app for EOG Resources at HackUTD 2024 to detect hydrate anomalies in gas pipelines in real time.
- Achieved **95%** model accuracy by training a regression model in Google Colab and deploying it via **Flask** for live predictions.

Listernships | ***Flask, React.js, SQLite, SQLAlchemy*** **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 a responsive **Chakra UI** design to ensure accurate record-keeping across all devices.