

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 <i>Bachelor of Science in Computer Science</i>	Aug 2022 – May 2026 GPA: 3.91
<ul style="list-style-type: none">▪ Relevant Coursework: Computer Architecture (MIPS), Discrete Maths, Data Structures & Algorithms, Software Engineering, Programming Languages & Paradigms, Probability & Statistics, Database Systems, Digital Logic, Computer Networks▪ Organizations: Association for Computing Machinery – UTD (Member), Bangladeshi Student Organization at UTD (Member), Artificial Intelligence Society 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, .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 <i>Student Success Center – The University of Texas at Dallas</i>	Aug 2023 – Present 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 <i>Paycom</i>	May 2025 – Aug 2025 Irving, TX
---	--

- Achieved **\$1M+** potential savings by building a full-stack **C#/.NET** PDF data extraction pipeline for new client onboarding.
- 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 <i>Association for Computing Machinery – UTD</i>	Feb 2024 – Apr 2024 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 **Firebase** schema for real-time synchronization.

Projects

InboxIntel <i>Python, Streamlit, PostgreSQL, Gmail API, OpenAI API</i>	Nov 2025
---	-----------------

- Built an **AI-powered, full-stack** email triage system 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.
- Ensured deterministic, idempotent runs by adding mark-as-read automation and ID tracking through **Gmail API**.

Resume Critiquer <i>Python, Streamlit, OpenAI API, PyPDF2</i>	Nov 2025
--	-----------------

- Engineered an **AI-driven, full-stack** resume-review web app that analyzes PDF/TXT resumes and delivers role-specific feedback.
- Architected an interactive **Streamlit** UI with sidebar controls for feedback tone and focus areas (ATS, formatting, content, etc).
- Improved rewrite impact by integrating **GPT-4o-mini** for clarity/skills/impact evaluation and suggestions.

HydraWatch <i>Flask, Next.js/React.js, SQLAlchemy, ML</i>	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 <i>Flask, React.js, SQLite, SQLAlchemy</i>	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 design to ensure accurate record-keeping across all devices.
- Enhanced user experience and customization by implementing **Chakra UI**, dark mode, and theming.