SEEYAN NEWAZ

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EDUCATION

The University of Texas at Dallas   **Aug 2022 – May 2026**
Bachelor of Science in Computer Science   *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, Streamlit, Chakra UI, SQLAlchemy, Framer Motion, Tailwind CSS
Developer Tools: Jira, PostgreSQL, Firebase, Visual Studio, VS Code, IntelliJ IDEA, Jupyter, Google Colab, Git, Linux, Postman

EXPERIENCE

Peer Tutor for Calculus & Linear Algebra   **Aug 2023 – Present**
Student Success Center, The University of Texas at Dallas   *Richardson, TX*
- Tutored **500+** undergraduates, earning a **100%** satisfaction rate and driving a **60%** average grade improvement.
- Tailored instruction to diverse learning styles, boosting student confidence and mastery of core concepts.
- Created custom problem sets with detailed solutions to strengthen retention and exam performance.

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 **Firestore NoSQL** schema for **50%** more efficient data retrieval and seamless real-time sync.

PROJECTS

InboxIntel | *Python, Streamlit, PostgreSQL, Gmail API, OpenAI API*   **Nov 2025**
- Architected an **AI-powered** email triage system using the **Gmail API** to retrieve and process unread messages in real time.
- Integrated **GPT-5.1** for automated summarization, priority classification, task extraction, and reply generation.
- Designed a responsive **Streamlit** interface with dynamic filtering, metrics, and a GPU-inspired technophilic theme.
- Implemented persistent state management and deduplication using a **PostgreSQL** datastore with optimized query flows.
- Added Gmail-side automation (mark-as-read + ID tracking) to ensure deterministic, idempotent processing runs.

AI Resume Critiquer | *Python, Streamlit, OpenAI API, PyPDF2, uv pip interface*   **Nov 2025**
- Built an **AI-driven** resume-review web app that analyzes uploaded PDF/TXT resumes for targeted, role-specific feedback.
- Built an interactive UI with sidebar controls for feedback tone and focus areas (ATS, formatting, content, etc).
- Integrated **GPT-4o-mini** to assess clarity, skills emphasis, and impact, delivering actionable suggestions and rewrites.

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.