

# SEYYAN NEWAZ

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## EDUCATION

### The University of Texas at Dallas

Bachelor of Science in Computer Science

Aug 2022 – May 2026

GPA: 3.91

- 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- The University of Texas at Dallas Chapter (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:** C, C++, C#, Java, Python, PHP, HTML, CSS, JavaScript, TypeScript, SQL, Assembly, Dart, Lisp, Prolog, VHDL

**Frameworks/Libraries:** React.js, Next.js, Node.js, .NET, Hugging Face, Tailwind CSS, Flask, SQLAlchemy, Framer Motion, Flutter

**Developer Tools:** Git/GitHub/GitLab, Linux, Docker, Kubernetes, JIRA, OpenAI API, Postman, Excel, PowerPoint, Word

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

## 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.
- Improved 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

- 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 an annotation tool using **React** and intelligent table-detection algorithms.
- Extracted structured entities and reduced manual labeling/review time by **70%** by using custom-made **NLP/NER** models.
- Enabled automated relationship mapping among data by architecting 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 **30,000+** students across **50+** university organizations by working in a **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 sync.

## PROJECTS

### InboxIntel | Python, Streamlit, PostgreSQL, Gmail API, OpenAI API

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 | Python, Streamlit, OpenAI API, PyPDF2, uv pip interface

Nov 2025

- Engineered an **AI-driven** 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 | Flask, Next.js/React.js, Tailwind CSS, SQLAlchemy, SQLite, 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, 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 a responsive design to ensure accurate recordkeeping across all devices.
- Enhanced user experience and customization by implementing **Chakra UI**, dark mode, and theming.