

ANUSHA PATEL

Dallas-Fort Worth Metroplex

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Education

University of Texas at Dallas

May 2026

Bachelor of Science, School of Engineering: Computer Science (GPA: 4.0/4.0)

Richardson, TX

Relevant Coursework

- Data Structures, Advanced Algorithm Analysis, Automata Theory, Databases, Computer Architecture, Discrete Math, Linear Algebra, Probability and Statistics, Software Engineering, UNIX

Technical Skills

Programming Languages: C/C++, Java, JavaScript, Python, MIPS Assembly, HTML, CSS, Prolog, Racket, SQL

Developer Tools: Node.js, Express.js, React.js, Flask, MongoDB, SQLite, VSCode, GitHub, IntelliJ, MARS

Experience

ASAPP

May 2024

Software Engineer Intern

Remote

- Developed 3 Generative AI-driven use cases to improve customer service, resulting in a **20%** increase in satisfaction.
- Implemented Python-based solutions to integrate new features with an existing system, reducing response time by 30%.
- Conducted **50+** test cases, ensuring 99% system reliability under various real-world scenarios.
- Collaborated with 5 cross-functional teams, participating in Agile sprints, code reviews, and stand-ups to accelerate deployment.
- Actively participated in Agile sprints, code reviews, and planning, improving team delivery speed by 15%.

Gideon Math and Reading

Mar. 2021 – Aug. 2023

Team Lead (Manager)

Coppell, TX

- Mentored **100+** students (K-8) in math and reading, improving test scores by an average of 20%.
- Managed a team of **60+** tutors, overseeing **300+** student sessions per month.
- Managed inventory, scheduling, and back-office operations, ensuring smooth day-to-day center functions.
- Led monthly staff meetings to discuss curriculum updates and student progress.

Projects

CoDriver | *Node.js, Express.js, React Native, MongoDB*

Feb. 2025

- Designed a scalable backend system for real-time, AI-driven conversation and navigation assistance, reducing driver fatigue and increasing safety on long drives.
- Integrated Claude AI for conversational features and Google Directions API for real-time navigation instructions, providing accurate, turn-by-turn guidance.
- Implemented voice-controlled music features through Spotify API, enabling seamless, hands-free control during drives.

Math Bank | *Flask, Python, React.js*

Sep. 2024

- Developed a full-stack math tool with **50+** built-in functions for equation solving, graphing, and matrices.
- Set up and managed a SQLite database storing **10,000+** user calculations and notes.
- Led a team of **7** developers, defining 30 functional requirements and 20 use cases to streamline user workflows.
- Defined **30** functional requirements and **20** use cases, developing clear user workflows and interface diagrams.

Extracurricular

ACM Community: Events

Jan. 2025 – Present

Marketing Coordinator Officer

University of Texas at Dallas

- Organized 4+ major events, including ACM Peechi Games and All Hands, attracting **200+** attendees.
- Coordinated logistics, timelines, and resources for year-round programming, ensuring seamless execution of social and networking activities.

Women Mentoring Women in Engineering

Sep. 2023 – Present

Mentoring Team Coordinator

University of Texas at Dallas