

Sohil Patel

806-443-4005 | s.patel1738@utexas.edu | Austin, TX

EDUCATION

The University of Texas at Austin, Austin, TX

May 2026

Bachelor of Science, Computer Science

GPA: 3.34

Relevant Coursework: Intro to Programming, Data Structures, Computer Architecture, Linear Algebra, Calculus 1-3

SKILLS

Technical Skills

- Intermediate: Java
- Beginner: C, Python, JavaScript, CSS
- Advanced: Microsoft Suite

EXPERIENCE

Asada Mexican Grill Lubbock, TX

March 2022 - August 2022

Cashier/Server

- Demonstrated strong communication skills in a fast-paced and high-stress environment.
- Assisted with food preparation and stocking as needed.
- Contributed to a positive team environment by communicating effectively with coworkers.

Lubbock Cooper ISD, Lubbock, TX

May 2020 - May 2022

Student Technologist

- Led teams of other student technologists in executing IT-related projects throughout the school district, developing leadership and project management skills.
- Maintained school district computer systems and networks, ensuring reliable and efficient technology for students and staff.
- Developed technical expertise in a variety of areas, including computer hardware and software, through hands-on experience and training.

PROJECTS

AI Golf Coach (IN PROGRESS)

February 2023 - Present

- Integrated OpenCV and TensorFlow frameworks to process and analyze video footage, providing real-time feedback on the golfer's form and technique.
- Implemented motion tracking algorithms to identify key anchor points on hips, shoulders, head, knees, arms, and wrists during golf swings.
- Applied AI algorithms to personalize insights and recommendations for golfers, enabling the AI Golf Coach to adapt dynamically to individual styles and progress.

File Compress/Decompressor

- Designed and implemented a file compression and decompression system in Java leveraging Huffman coding algorithm.
- Developed efficient encoding and decoding logic while optimizing data structures for space and time complexity.

STUDENT ORGANIZATIONS

Engineering and Computational Learning of Artificial Intelligence in Robotics (ECLAIR)

October 2022 - Present

- Developed knowledge and skills in robotics and AI technologies through student-led lectures and team projects.