

# Devika Kohli

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## EDUCATION

**The University of Texas at Austin – B.S. Chemical Engineering (Honors)** AUG 2022 – MAY 2026

- 4.0 GPA
  - Secretary of Omega Chi Epsilon (chemical engineering honor society); Member of American Institute of Chemical Engineers, Society of Women Engineers
  - Selected for GE Aerospace LIFT Summit, Valero Minority Engineering Summit and Scholarship
  - Recipient of Mr. and Mrs. Robert E. Fredrickson Endowed Scholarship in Chemical Engineering
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## PROJECTS

**Undergraduate Researcher in Wang Materials Lab – UT Austin** APR 2024 – PRESENT

- Simulate structure and properties of MoS<sub>2</sub> catalysts for optimizing the water splitting reaction to produce green hydrogen, using Quantum ESPRESSO software and supercomputing resources
- Develop framework for electronic structure calculations through literature review

**Make-a-thon – UT Austin** OCT 2022

- Led a team of 3 engineering undergraduates to physically prototype and present a crutch mechanism for mobility impaired employees in less than a day

**HardwareNxt Mechanical Engineering Program** JUN 2021 – AUG 2021

- Learned basics of product design for manufacturing and CAD through weekly lectures
- [Designed a pressure-sensing, vibrating smart chair](#) to alert users to take physical activity breaks at half-hour intervals

**Baking Fundraiser for COVID-19 Relief** JUL 2020 – JAN 2023

- Organized fundraiser in summer 2021: established web ordering, baked and fulfilled 30+ orders, performed communications, did cost analysis, marketing, and delivery
- Donated entirety of \$500+ profit to nonprofit Asha for Education

**Python Programming** JUN 2018 - AUG 2021

- Learned basics of Python and performed design and documentation tasks to help open-source software organizations as part of Google Code-In program in 2018 and 2019
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## EXPERIENCE

**Teaching Assistant for Intro to Chemical Engineering – UT Austin** AUG 2023 – DEC 2023

- Familiarized first-year students with engineering at UT Austin, assisted with 3D printing project, answered questions during weekly office hours

**Course Grader for Intro to Computing – UT Austin** JAN 2023 – MAY 2023

- Evaluated assignments for chemical engineering course, checking both process and final solution
- Maintained consistent grading standard across 50+ assignments weekly

**Administrative Assistant – Parkway Communities** JUN - JULY 2022; MAY - JUN 2023

- Managed and tracked timely shipping and receiving of packages for mobile home park business
  - Picked up, sorted, and scanned business mail from post office to facilitate online record-keeping
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## OTHER SKILLS

- Software: Linux BASH, Microsoft Excel, AutoCAD, Autodesk Fusion 360
- Languages: English (fluent), Hindi (fluent), Spanish (intermediate)