

AVINASH SHARMA

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EDUCATION

University of Texas at Austin – Austin, TX

Degree: Bachelor of Science in Chemical Engineering, cum laude

December 2025

- GPA: 3.55
- Honors: University Honors (Spring 2024, Fall 2024, Fall 2025), US Marine Corps NROTC National Scholarship Recipient (2021)

OBJECTIVE AND SKILLS

- **Objective:** Motivated chemical engineering student with research and project experience in oil and gas and energy sectors, bringing strong technical skills and teamwork to solve real-world energy and sustainability challenges
- **Technical Skills:** Microsoft Excel, Microsoft PowerPoint, MATLAB, Basic Python, Aspen Plus, MS Office, AutoCAD
- **Relevant Coursework:** Separation Processes and Mass Transfer, Chemical Reactor Analysis and Design, Process Design and Operations, Senior Design, Advanced Analysis in Chemical Engineering

EXPERIENCE

Dr. Keith P. Johnston Research Group – Austin, TX

August 2023 – May 2025

Undergraduate Researcher

- Collected and analyzed comparative data between Flosphere MAS (Flo MAS) and Polyvinyl Sulfonate (PVS) to conclude that Flo MAS provided 10% better adsorption within sandstone pores
- Conducted experiments on subsurface nanotechnology and their adsorption ability for slow-release scale inhibitor in oil pipelines
- Currently working towards co-authoring a research publication on our work

Target – Austin, TX

June 2023 – September 2023

Guest Advocate/Inbound Team Member

- Quickly and accurately maintained stock and price labels along the salesfloor
- Individually and collaboratively controlled the front end of the store in peak hours
- Organized and prepared food displays to create presentable arrangements for guests

EXTRACURRICULAR ACTIVITIES

NET Project – Austin, TX

August 2022 - August 2024

General Member

- Designed small-scale carbon capture prototype systems using various sorbents
- Analyzed university energy usage data in order to implement carbon capture in campus over time
- Cultivated cooperation between prototype team members

Austin Parks Foundation – Austin, TX

January 2022 - May 2024

Volunteer

- Helped with prep, set up and breakdown of community volunteer events
- Assisted with and organized programs, events and activities to drive community cleanup initiatives

Students Helping Honduras – Frisco, TX

August 2017 - May 2021

Chapter President

- Supervised aspects of club's needs and objectives by developing and overseeing social media, fundraising, and outreach committees
- Led 3 major fundraising events each year to contribute towards yearly goals
- Delegated work amongst chair members to ensure bi-weekly chapter meetings encouraged general member involvement

ADDITIONAL

- Language Fluency: Basic Spanish, Conversational Hindi
- **Work Eligibility:** Eligible to work in the U.S. with no restrictions