

Tejash Vangala

tejash.vangala@gmail.com | 702.338.4980 | www.linkedin.com/in/tvnagla | 2879 Grand Helios Way, Henderson, NV, 89052

EDUCATION

University of Nevada, Reno

Reno, Nevada

Pursuing Bachelor of Science, Mechanical Engineering, Minor in Mathematics, Business Administration, and Manufacturing Quality

Scholarships: Millennium Scholarship, PREP Research Grant

Relevant Coursework: Engineering 100, Mechanical Engineering 350, Mechanical Engineering 241, Physics 180, Physics 181, Calculus 1, Calculus 2, Calculus 3, Differential Equations, Mechanical Engineering 242, etc.

EXPERIENCE

Panavise Products Inc.

Reno, Nevada

Product Engineer

January 2024 - May 2024

- Developed 25+ production-ready designs in SolidWorks, driving redesigns based on tolerance analysis and feedback from manufacturing
- Issued 100+ inspection-ready drawings, flagging CTQs and critical tolerances for incoming inspections
- Tested 50+ castings and final products for strength, durability, and size using industry-standard methods

University of Nevada, Reno

Reno, Nevada

Research Assistant

January 2023 - December 2023

- Researched and prototyped 3 functioning models of a hand shaped Soft Robotic Gripper using twisted string actuators
- Wrote 150+ lines of arduino code for basic motor functions
- Tested prototypes for finger mobility, strength, and dexterity

Vex Robotics

Las Vegas, Nevada

Assistant Coach

January 2020 - May 2022

- Guided students to build 7+ competitive models and refine remote driving for regional and national competitions
- Helped students prepare presentations and models for professionally judged segments
- Led students to a top 10 finish in the VEX Robotics World Championship

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Theta Tau, Professional Co-ed Engineering Fraternity

Reno, Nevada

Vice Regent

September 2023 - Present

- Participated in 30+ events to strengthen resume, presentation, internship application, and networking skills
- Oversee Rho Delta chairheads and maintain order for events and campus relations
- Used SolidWorks to mass-produce keychains and ornaments featuring Theta Tau symbols

North South Foundation

Las Vegas, Nevada

Instructor and Volunteer

October 2020 - May 2022

- Taught students multiple science subjects, including Chemistry, Physics, Biology, and Geology
- Helped host and conduct spelling, math, geography, vocabulary, and essay competitions over 4 years
- Used science expertise to assist parents and students with online competition technical issues over Zoom and phone calls

Dignity Health - St. Rose Dominican Hospital

Las Vegas, Nevada

Volunteer

January 2019 - March 2020

- Volunteered 100+ hours, leading a team of 5+ volunteers with 50+ responsibilities
- Performed patient transfers and errands related to hospital equipment and procedures

OTHER SKILLS & INTERESTS

Technical: Microsoft Applications (Excel, Word, PowerPoint & Outlook), HTML, Python, Matlab, Solidworks, Basic Video Editing software, 3D drawing softwares, Labview, GD&T

Languages: Spanish, English, and Telugu

Projects: Soft Robotic Gripper (UNR), Panel Split Table (Theta Tau), Multi-Surface Level Dice

Certifications: CSWA, CPR, OSHA

Awards: UNR PREP Research Award, Millennium Scholarship, 100 Hours Volunteered

Interests: Volleyball, basketball, rubik's cube, card magic tricks, mountain biking, coffee, woodworking, 3D printing, origami

*References available upon request