

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 **Expected Graduation: May 2027** **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, Computer Aided Designs and Manufacturing, Mechanical Design, Dynamics, Instrumentation, Heat Transfer, 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, creating a much narrower time frame for inspections
- Tested 50+ castings and final products for strength, durability, and size using industry-standard methods, leading to swift production

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: English, Telugu, and Spanish

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