

# Devam Shah

(805) 630-3642 • devamshah6464@gmail.com • <https://www.linkedin.com/in/devam-shah-789a78301/>

## EDUCATION

**North Carolina State University, Raleigh, NC**  
*Bachelor of Science, Aerospace Engineering*

**Expected 05/2028**

**University of North Carolina at Charlotte, Charlotte, NC**  
*Bachelor of Science, Mechanical Engineering*  
4.00/4.00 GPA

**08/2024 - 05/2025**

## PROFESSIONAL EXPERIENCE

**Morrison YMCA - Charlotte, NC**

**05/2024 - 08/2024**

*Swim Instructor*

- Taught daily swimming instruction to 50 students a day of varying skill levels for 20 hours a week and planned classes covering different ages and skill

**MirrorMate Frames – Charlotte, NC**

**05/2023 - 09/2023**

*Engineering Intern*

- Worked 40 hours a week and held responsibility over a group of engineering interns
- Facilitated the data collection and analysis of manufacturing machines in the company and helped set up the machines to run the next day
- Developed software using python and SQL that automate various tasks (i.e. Automatically organize customer information in organized graphs, build a dashboard using Microsoft Power BI that tracks metrics such as revenue)

## PROJECTS

### **Automated Delivery Drone**

- Designed and created an 8 in long range quadcopter drone using SOLIDWORKS CAD and 3D printed parts for the drone for airframe fabrication, integrating aerodynamic design, and embedding sensors
- Programmed the drone for automated delivery using a Pixhawk and the open source Ardupilot software integrating Google Earth for GPS

### **Giant Scale RC Airplane**

- Designed and built a giant-scale RC aircraft from the ground up, including airframe structure, control surfaces, power system integration, and radio electronics
- Developed detailed CAD models in SOLDIWORKS, performed structural and aerodynamic analyses, and executed iterative build-test-refine cycles

## EXTRACURRICULARS

### **American Institute of Aeronautics and Astronautics at UNCC (Treasurer)**

- Spent 10 hours a week working on allocating funds for the club towards projects
- Worked with senior design team to manufacture their plane for the Design, Build, Fly competition
- Met with advisors and company representatives to set up events for the club

**08/2024  
- Present**

### **Marine Energy Collegiate Competition Team at UNCC (Design Team)**

- Spent 5 hours a week helping with CAD design of the project for the competitions
- Additional duties also include helping with the calculations needed for the project
- Researched wave energy converters for large-scale hydrogen farming

**08/2024  
- Present**

### **Charlotte Rocketry Club at UNCC (Vehicle Design Team)**

- Worked around 5 hours a week on CAD design of the model rocket
- Had responsibilities over 3D printing and laser cutting parts for the rocket
- Worked on launching the rocket when the build is finished

**08/2024  
- Present**

## SKILLS

- Experienced in Python Programming
- Certification in Autodesk Inventor CAD (March 2023)
- Experienced in SolidWorks
- Experienced in MATLAB
- Experience in Microsoft Office
- Languages – English (Fluent), Gujarati (Fluent), Hindi (Professional Proficiency)

