

Soham Gotkhindikar

Morrisville, NC, USA | ssgotkh2@ncsu.edu | (919) 434-8448 | www.linkedin.com/in/soham-gotkhindikar

EDUCATION

B.S. Mechanical Engineering

GPA: 4.0/4.0

Computer Science (minor)

North Carolina State University | Raleigh, NC

May 2025 (expected)

EXPERIENCE

Mechanical Engineering Intern

05/2023 – present

Plexus Corp. | Raleigh, NC

- Designing and developing medical device components to meet customer product needs using **SolidWorks CAD** and **Agile PLM** while adhering to aggressive schedules.
- Using **rapid prototyping, testing, and continuous improvement** to efficiently iterate through designs and ensure a high degree of product quality.
- Designing a tool case, fixtures, and other small-scale devices to improve engineer quality-of-life and workplace efficiency.

Structures Engineer

10/2021 – present

NCSU Liquid Rocketry Lab | Raleigh, NC

- Designing a rocket nose cone with a minimal coefficient of drag in target Mach range while minimizing weight using **Siemens NX** and **CFD**.
- Designed flooring panels for the rocket engine test-stand, increasing rigidity while reducing overall weight by **35%** using **SolidWorks CAD**.
- Maintaining team documentation in **Confluence** for manufacturing procedures, safety precautions, and more.
- Researching aspects of rocket **control structure design**, flight forces and physics while conducting **trade studies**.

Brakes Engineer

08/2022 – present

Wolfpack Motorsports Baja SAE | Raleigh, NC

- Designing an improved aluminum throttle pedal with dual hard-stops, an easily detachable cable, adjustable cable travel, and top-notch aesthetics using **SolidWorks**.
- Researching the required fittings, components, and tools required to switch from softline to hardline brakes to improve braking efficiency.
- Manufacturing various vehicle components using shop tools with a high degree of efficiency and accuracy.

SKILLS

Computer Aided Design

- SolidWorks, Fusion 360, Siemens NX
- Shop Tools (mill, lathe, bandsaw, etc.)
- Rapid Prototyping, 3D Printing

Programming

- MATLAB, Python, Java, C#, C/C++, PHP
- JavaScript (Node, React, Vue)
- Linux (Debian, Arch, Ubuntu), Docker

Industry Software

- Agile, Minerva, Confluence, Jira, Bitbucket
- Google Suite, Word, Excel, PowerPoint
- Git, GitHub

Soft Skills

- Critical Thinking, Collaboration, Leadership
- Verbal & Written Communication Skills
- Self-Starter, Independent Worker