# ANANYA MUDALIYAR

## Lead Mechanical Engineer

434-835-4557
ananya-mudaliyar@email.com
Suffolk, VA

## PROFESSIONAL SUMMARY

Results-oriented Mechanical Engineer with over 8 years of experience in leading the design, development, and testing of mechanical systems, particularly in the automotive industry. Proficient in CAD software, FEA analysis, and project management. Demonstrated ability to collaborate effectively with cross-functional teams to deliver innovative solutions.

## EDUCATION

2012 - 2016

### BS in Mechanical Engineering

Hampton University

- 3.90 GPA
- Graduated with honors

## SKILLS

| | |
|---|---|
| Design Engineering | Expert |
| CAD/CAM | Expert |
| Project Management | Expert |
| Fabrication | Expert |
| Manufacturing Processes | Expert |
| Quality Control | Expert |
| Technical Writing | Expert |
| Testing and Analysis | Expert |
| Troubleshooting | Expert |
| Product Development | Expert |

## AWARDS

- Wiiner of the Grant for Technical Workforce Development | ECMC Foundation (2022)
- Outstading Performance of the Year | Integra Engineering (2019)
- Debut of the Year | Genesis Sultions (2017)

## EXPERIENCE

2022 - Now

### Lead Mechanical Engineer
### Integra Engineering / Suffolk, VA

- Lead the design and development of automotive transmission systems, reducing weight by 15% through innovative design techniques.
- Utilize SolidWorks and AutoCAD to create detailed 3D models and technical drawings for manufacturing.
- Conduct FEA analysis using ANSYS to optimize designs for strength and performance, resulting in a 20% increase in efficiency.
- Collaborate with cross-functional teams, including design, manufacturing, and quality assurance, to ensure project objectives were met.

2018 - 2021

### Mechanical Engineer
### Integra Engineering / Suffolk, VA

- Spearhead the conceptualization and execution of mechanical system projects, ensuring alignment with project requirements and schedules.
- Employ advanced CAD tools to produce intricate 3D designs and technical blueprints tailored for manufacturing applications.
- Perform rigorous FEA assessments to enhance designs, focusing on bolstering strength, longevity, and operational efficiency.

2016 - 2018

### Junior Mechanical Engineer
### Genesis Solutions / Hampton, VA

- Conducted research on new materials and manufacturing processes to improve product performance and reduce costs.
- Participated in project meetings to review design specifications and project timelines, contributing ideas for design improvements.