

# Poovaragavan Anbazhagan

Mechanical Engineer

## OBJECTIVE

Passionate engineer with a drive for learning and achieving impactful results. Strong problem-solving skills, analytical mindset, and excellent communication. Thrives in dynamic teams and committed to continuous improvement.

## WORK EXPERIENCE

### JUNIOR BRAKES MEMBER

2021 - 2022

I took part in the design and fabrication of the entire braking system for a 200kg BAJA ATV of CEG Motorsports, participating in the prestigious BAJA SAEINDIA competition. Created and validated a comprehensive mathematical model to ensure optimal performance in real-world conditions. Implemented advanced software simulations to evaluate factors like Brake distribution, brake fade, and temperature rise. Achieved a high-performance braking solution that contributed to the overall success of the ATV in the competition.

### MULTIMEDIA MEMBER

2021 - 2022

As a member of the multimedia team, I honed my skills in Adobe Illustrator and Canva. I crafted visually appealing social media posters, impactful marketing posters, and informative team brochures. With my keen eye for aesthetics and attention to detail, I consistently delivered professional and engaging designs to effectively communicate our brand's message.

### NATIONAL SERVICE SCHEME (NSS)

2021 - 2022

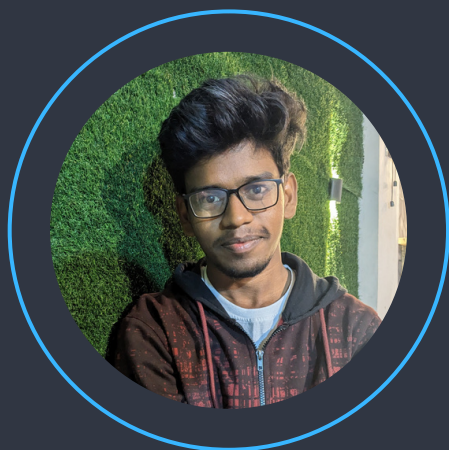
Actively engaged in the National Service Scheme (NSS), I contributed my time and effort towards community service initiatives. Through my participation in various NSS activities, including volunteering at local schools, organizing cleanliness drives, and conducting awareness campaigns, I developed a strong sense of social responsibility.

## PROJECTS

### CAE REPORT OF BAJA ATV

2021 - 2022

With expertise in CAE tools, I conducted comprehensive analyses and simulations to optimize the ATV's performance. I meticulously evaluated factors like structural integrity, durability, and safety, ensuring compliance with industry standards. By leveraging my proficiency in CAE, I successfully contributed to enhancing the overall design and functionality of the BAJA ATV, resulting in improved performance and reliability.



## Education

### B.E Mechanical Engineering

College Of Engineering Guindy,  
Anna University, Chennai  
2021 - 2025

### HSC

Vetri Vidyalaya Hr Sec, Trichy  
2019 - 2021

### SSLC

Child Jesus Matric School, Trichy  
2009 - 2019

## Softwares

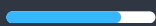
SolidWorks



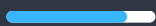
CATIA



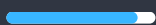
Fusion 360



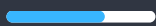
ANSYS



Canva



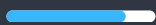
Adobe Illustrator



MS Excel



MS Powerpoint



## Skills

Leadership and Teamwork  
Adaptability, Positivity,  
Photography,

## Contact

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