

Shailendran Poyyamozhi

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EDUCATION

Master's in automotive engineering **expected graduation in 2021**
Clemson University International Center for Automotive Research (CUICAR), Greenville

Bachelor of Engineering in Mechanical Engineering **May '19**
St Joseph's College of Engineering, Anna University **Current GPA: 3.8**

PROJECT WORK

Multi Nut Remover **Jan '18- Jun '18**

- Designed and developed a device that removes all the bolts from the tire of a vehicle using a single hand stroke
- This device reduces the human effort by 75%
- Played a key role in the design, analyzed it using a simulation software and completed the assembly

SAE E-Baja **Jan '18- Jan19**

- Designed and developing an all-terrain vehicle as part of the E-Baja national competition conducted by the Society of Automobile Engineers (SAE)
- Presented the design at the first(virtual) round where 1,500 other teams participated.
- Selected for the next round along with 250 other teams to present the vehicle in January 2019
- We manufactured the vehicle for the final event in Jan 2019 in Pithampur, Indore. We Secured AIR 15 in the event.

WORKSHOPS

- Automobiles and PTC Creo - National Institute of Technology (NIT) Trichy
- Non-Destructive Testing (NDT) – Anna University
- 3-D Printing - St Joseph's College of Engineering

TECHNICAL SKILLS

- Programming languages and mathematical packages: MATLAB and Simulink, C and ROS basics.
- Computer aided design/engineering: Autodesk Fusion 360, Catia V5, Solid works, NX-CAD.
- Other: Ansys with CFD, and basics of Adams

HONORS AND AWARDS

- Won the first prize in the event 'THE MACHINIST' conducted by Madras Institute of Technology.
- Won the first prize in Technical quiz conducted by RMK College of Engineering and Technology.
- Won the first prize in Technical quiz conducted by Jeppiar Engineering College.
- Won the first prize in Auto quiz conducted by Mohammad Sathak college of Engineering.
- Won the second prize in Channel Surfing conducted by SSN College of Engineering.

