







AHAMED NALEEM

Automotive Designer

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 Sholinganallur, Chennai.  25-06-2002  Indian

PROFILE

Recent engineering graduate with hands-on experience in automotive and product design. Skilled in CAD software (CREO, CATIA) and simulation tools. Passionate about creating innovative, efficient designs and eager to contribute to a dynamic engineering team.

PROFESSIONAL EXPERIENCE

VTK Jeep

Automotive Technician

07/2024 – 06/2025
OMR, Chennai, India

- Conduct accurate diagnosis of customer complaints related to engine performance, electrical issues, noise, vibration, and harshness (NVH).
- Use diagnostic scanners (OBD-II), multimeters, and technical manuals to identify and troubleshoot vehicle faults.
- Perform mechanical and electrical repairs on engines, transmissions, braking systems, suspension, and HVAC systems.

lucas TVS

Production Trainee

08/2020 – 08/2021
Padi, Chennai, India

- Assist in mechanical and structural assembly of components as per engineering drawings and process instructions.
- Perform field-level assembly tasks, including fitting, fastening, and alignment of mechanical parts.

EDUCATION

Bachelor of Engineering in Mechanical Engineering
Mohamed sathak Engineering college

2021 – 2024
Kilakarai, India

Diploma in Mechanical Engineering
Mohamed Sathak Polytechnic College

2017 – 2020
Kilakarai, India

Secondary School Leaving Certificate
Hyrathul Jalalia Higher Secondary School

2016 – 05/2017
Kilakarai, India

PROJECTS

Industrial Robotic Arm Using Stepper Motor

2024 – 2024

Designed and developed a 3-axis industrial robotic arm controlled by stepper motors for precise pick-and-place operations. Integrated microcontroller-based control system for movement automation and accuracy.

- Programmed motion sequences using Arduino uno.
- developed arm structure with CAD software (SolidWorks/CATIA) for mechanical stability and optimal range of motion.

Motorized 4-Way Hacksaw Machine Using Scotch Yoke Mechanism

2019 – 2020

Designed and fabricated a motorized 4-way hacksaw machine that performs simultaneous cutting operations using the Scotch Yoke mechanism for linear reciprocating motion.

- Utilized Scotch Yoke mechanism to convert rotary motion into smooth reciprocating motion for all four saws.
- Created frame and mechanism components using SolidWorks/AutoCAD.
- Successfully tested on various materials to demonstrate increased productivity and energy efficiency.

SKILLS

- Part Modeling
- Sheet Modeling
- Assembly
- Drafting & Detailing
- GD & T Application
- Automotive Diagnostic

SOFTWARE KNOWLEDGE

- autoCAD
- CREO
- CATIA