

## AKASH VIJAY

Mechanical Engineer

Phone: 7592926575

Email: Akashvijay1006@gmail.com

Location: Kerala, India

## PROFESSIONAL SUMMARY

Mechanical Engineer with practical experience in manufacturing, machining operations, and mechanical systems diagnostics. Adept at applying technical knowledge to improve operational efficiency and equipment performance.

## EDUCATION

**B. Tech in Mechanical Engineering**, APJ Abdul Kalam Technological University, 2022

**Higher Secondary Education (Science)**, The Directorate of Higher Secondary Education, 2018

## PROFESSIONAL EXPERIENCE

**Service Advisor & Maintenance Coordinator -- Kaps Motors Pvt Ltd, Manjeri, Kerala** Oct 2025 – Present

Company is dealing with TATA Commercial Vehicles(3S) all over the North Kerala

**Responsibilities:** I serve as the key liaison between customers and the technical team, accurately assessing vehicle concerns and recommending appropriate service solutions. I coordinate workshop operations, prepare service estimates and job orders, and ensure efficient and timely vehicle servicing. I also maintain strong customer communication to deliver high service quality and enhance customer satisfaction.

**VMC Machinist -- Protech Engineers, Coimbatore, Tamil Nadu** May 2023 – Aug 2025

Company is a premier manufacturer of high-precision Vertical Machining Centres (VMC), dedicated to empowering the manufacturing sector with cutting-edge CNC technology. We specialize in high-speed machines that transform complex designs into reality with micron-level accuracy

**Responsibilities:** Operated and set up VMC machines using FANUC and Mitsubishi controls to manufacture high-precision components as per engineering drawings. Optimized machining parameters, tooling, and offsets to improve cycle time and reduce rejection rates while maintaining strict quality standards. Performed dimensional inspections using precision measuring instruments and ensured safe, efficient machine operations.

**Diesel Mechanic (Part-Time) -- Maggie Auto Garage, Palai, Kerala** Aug 2022 – Apr 2023

Workshop dealing with heavy automobile repairing works including service buses and trucks

**Responsibilities:** Performed maintenance and repair of heavy vehicles including trucks and buses, ensuring reliable vehicle performance and safety. Diagnosed and resolved issues in diesel engines, hydraulic, and pneumatic systems using advanced diagnostic tools. Conducted inspection and servicing of braking, suspension, and other critical mechanical systems while maintaining quality and safety standards.

## TECHNICAL SKILLS

VMC Machining (FANUC, Mitsubishi), Preventive & Predictive Maintenance, Hydraulic & Pneumatic Systems, Diesel Engine Diagnosis, GD&T, G&M Codes, Root Cause Analysis (RCA), Lean Manufacturing & TPM, Industrial Safety Standards, Quality Control & Inspection, Workshop Operations Management, Technical Reporting & Documentation, Basics of AutoCAD, SolidWorks, Mastercam, ANSYS

## ENGINEERING PROJECT

**Numerical Analysis of Aluminium–Silicon Carbide Composite Piston**

Structural and thermal simulation using ANSYS. Demonstrated improved fatigue strength and heat resistance. Applied finite element analysis for performance optimization

## ADDITIONAL INFORMATION

**Languages:** English, Malayalam, Hindi, Tamil

**Interests:** Music, Traveling, Reading, Sports

## REFERENCE

**Mr. Sajin George Cluster Head Service – Kaps Motors Pvt Ltd, Manjeri**

Mobile: 9895399125

**Mr. Amal Krishna Assistant Professor--Mangalam College of Engineering, Ettumanoor**

Mobile: 8606460155

**Mr. Anooj Ks, Service Engineer--Man Trucks & Buses, Dubai**

Mobile: 8893957519