europass



Amar Manoj

Passport: R5064268 | **Date of birth:** 22/05/1998 | **Place of birth:** kozhikode, India |

Nationality: Indian | **Gender:** Male | **Phone number:** (+370) 60945478 (Mobile) |

Email address: amarm1234@gmail.com |

Address: Sreepadmam House, Padinjatumuri Kakkodi, 673611, kozhikode, India (Home)

Address: VGTU , Sauletekis , 11025, Vilnius, Lithuania (1109B)

WORK EXPERIENCE

DIAGNOSTICS EXPERT/ TRAINER (ENGINEER) – SREE GOKULAM MOTORS (TATA MOTORS) – 13/10/2025 – 16/09/2026 – KOZHIKODE, INDIA

Dedicated and technically proficient DET (Diagnostics, Evaluation & Testing) Expert specializing in Electric Vehicles (EVs) at Tata Motors' authorized dealership – Sree Gokulam Motors. Responsible for diagnosing, evaluating, and resolving complex EV related issues while ensuring service quality meets OEM standards.

ASSISTANT WORKS MANAGER – BIMAL MARUTI (MARUTI SUZUKI) – 03/2025 – 10/2025 – KOZHIKODE, INDIA

Supports the Works Manager in overseeing the daily operations of the service department in a car dealership Ensures that vehicle servicing, repairs, and customer interactions are handled efficiently, safely, and up to company standards.

LECTURER – KMCT POLYTECHNIC – 06/2024 – 12/2024 – KOZHIKODE, INDIA

1. Delivered lectures on core automobile engineering subjects to students.
2. Conducted practical workshops and demonstrations to enhance hands-on learning.
3. Guided students on projects and research work

EDUCATION AND TRAINING

14/08/2020 – 05/05/2025 Thiruvananthapuram, India

BACHELOR OF TECHNOLOGY APJ Abdul Kalam Technical University

1. Fundamentals of automobile systems including engine, transmission, braking, steering, and suspension.
2. Internal combustion engine performance analysis, fuel efficiency, and emission characteristics.
3. Vehicle chassis design, powertrain layouts (FWD, RWD, AWD), and component functions.
4. Vehicle dynamics: ride comfort, handling, stability, and safety principles.
5. Automotive diagnostics, fault identification, preventive maintenance, and repair procedures.
6. Modern automotive technologies: electric and hybrid vehicles, automotive electronics, sensors, and autonomous driving systems.

Website https://ktu.edu.in/ | **Field of study** Automobile Engineering | **Final grade** 7.38 CGPA | **Number of credits** 160

17/08/2017 – 05/03/2020 Thiruvananthapuram, India

BACHELOR OF TECHNOLOGY APJ Abdul Kalam Technical University

Discontinued.

Website https://ktu.edu.in/ | **Field of study** Computer Science

2016 – 2017 Chennai, India
12TH GRADE (7.09) CGPA KENDRIYA VIDYALAYA

Field of study Education

2013 – 2014
10TH GRADE (8.2) CGPA KENDRIYA VIDYALAYA

Field of study Education

LANGUAGE SKILLS

Mother tongue(s): **MALAYALAM**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C1	C2
TAMIL	C1	A1	C1	C1	A1
HINDI	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

automotive diagnostic equipment | Electrical and mechanical engineering | automotive engineering | Electric traction and electric vehicles

PROJECTS

01/2024 – 07/2024
Fire Suppression System in EV

Developed an automated fire suppression system for electric-vehicle battery packs to enhance safety during thermal runaway or electrical faults. The system integrates an MQ-2 smoke sensor for early detection, a high-voltage arc-induction circuit for triggering, and a CO_2-based sprinkler mechanism for rapid fire extinguishing. Designed and assembled the hardware—including chassis integration, battery box, wiring harness, and fire-suppression components—and validated performance through controlled testing. The project demonstrates a cost-effective and efficient safety solution tailored for EVs, significantly reducing response time and potential damage during battery-related fire incidents.

CONFERENCES AND SEMINARS

Alternative Fuel (Acetylene Gas)

Conducted an experimental study on using acetylene (C_2H_2) as an alternative fuel in spark-ignition engines, focusing on its ignition characteristics, combustion behavior, and performance compared to petrol. Produced acetylene through controlled CaC_2–water reactions and evaluated its effects on brake power, fuel consumption, efficiency and emissions. The study highlights acetylene's wide flammability range, clean combustion, and potential as a sustainable fuel, while identifying challenges like pre-ignition and backfiring, along with necessary engine modifications for safe operation.