Curriculum Vitae - Automotive Engineer | Nepal Kathmandu

# Curriculum Vitae

## Automotive Engineer | Nepal Kathmandu

### Contact Information

**Name:** [Your Full Name]

**Email:** [your.email@example.com]

**Phone:** +977 [Your Phone Number]

**Location:** Kathmandu, Nepal

### Professional Summary

A dedicated and innovative Automotive Engineer with a passion for advancing vehicle technologies and sustainable mobility solutions in Nepal Kathmandu. Proven expertise in vehicle design, systems integration, and automotive diagnostics. Committed to delivering high-quality engineering solutions tailored to the unique challenges of the Nepalese market, including terrain-specific vehicle performance and emission standards. A strong advocate for localizing automotive innovation while aligning with global industry practices.

### Education

**Bachelor of Engineering in Mechanical Engineering**

Thapathali Campus, Tribhuvan University, Kathmandu, Nepal

Graduated: [Year]

* Relevant coursework: Vehicle Dynamics, Powertrain Systems, Thermodynamics, and Automotive Electronics.
* Pursued additional certifications in CAD software (SolidWorks) and automotive safety standards.

**Masters of Science in Automotive Engineering (Pursuing)**

International Institute of Technology, Kathmandu, Nepal

Expected Graduation: [Year]

### Work Experience

#### **Senior Automotive Engineer**

Pioneer Motors Pvt. Ltd., Kathmandu, Nepal

January 2020 – Present

* Lead the design and development of vehicle components for commercial and passenger vehicles, focusing on durability in mountainous terrains.
* Collaborated with international manufacturers to adapt global automotive technologies for Nepal’s unique climate and road conditions.
* Spearheaded diagnostic solutions for hybrid vehicle systems, improving maintenance efficiency by 25%.
* Provided technical support to dealerships in Kathmandu, ensuring compliance with local safety regulations and emission norms.

#### **Automotive Engineer**

Nepal Auto Solutions, Kathmandu, Nepal

June 2017 – December 2019

* Conducted vehicle performance analysis and optimized fuel efficiency for compact SUVs tailored to Nepalese road networks.
* Developed training modules for technicians on modern automotive systems, enhancing service delivery across Kathmandu’s automotive hubs.
* Participated in the design of a prototype electric vehicle (EV) under a local government initiative, aiming to reduce urban pollution in Kathmandu.

#### **Internship – Automotive Systems Analyst**

Kathmandu Auto Engineering Firm, Kathmandu, Nepal

July 2016 – December 2016

* Gained hands-on experience in vehicle assembly line operations and quality control processes.
* Assisted in the implementation of ISO 9001 standards for automotive manufacturing practices.

### Technical Skills

* **Engineering Software:** AutoCAD, SolidWorks, MATLAB/Simulink, and ANSYS for vehicle simulation.
* **Vehicles & Systems:** Proficient in internal combustion engines (ICE), electric vehicles (EVs), hybrid systems, and powertrain diagnostics.
* **Tools & Equipment:** Experienced in using oscilloscopes, multimeters, and OBD-II scanners for vehicle troubleshooting.
* **Languages:** Fluent in English and Nepali; basic knowledge of Hindi.

### Projects & Internships

#### **Electric Vehicle Prototype Development (2021)**

Collaborated with Kathmandu-based startups to design a low-cost electric motorcycle prototype, targeting urban commuters in Nepal. Focus areas included battery management systems and energy efficiency optimization.

#### **Sustainable Fuel Solutions for Rural Transport (2019)**

Research project on converting diesel engines to run on biodiesel blends, reducing dependency on imported fuels. Published findings in a local engineering journal.

#### **Automotive Workshop Internship (2016)**

Gained practical experience in vehicle repair and maintenance, specializing in electrical systems and engine diagnostics.

### Certifications & Licenses

* **ASE Certified Automotive Technician (Master Level)** – 2021
* **ISO 9001:2015 Quality Management Systems Certification** – 2020
* **Certificate in Automotive Safety Standards (Nepal Transport Authority)** – 2018

### Languages & Cultural Competence

Fluent in Nepali and English. Familiar with local dialects spoken in Kathmandu Valley, enabling effective communication with diverse stakeholders.

### Professional Affiliations

* Nepal Automobile Association (NAA) – Member since 2018
* International Society of Automotive Engineers (SAE International) – Member since 2019

### References

Available upon request. Contact: [Your Email or Phone Number]

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