



MD ASHAD KHAN

PROFILE

Diploma-certified Mechanical Engineer from G.B. Pant Institute of Technology (2021–2024) with 8.02 CGPA, possessing strong technical knowledge and hands-on experience. Completed a practical internship at Volkswagen Delhi, where I learned service workflow, team coordination, technician operations, and inventory control. Proficient in basic AutoCAD, production quality, and operations management. Recognized for punctuality, adaptability, and a quick learning mindset. Passionate about automobiles and eager to contribute to a dynamic organization within the automotive or manufacturing sector.

WORK EXPERIENCE

● INTERNSHIP

JUNE 2023 - JULY 2023

service, sales and management

Observed and assisted in routine maintenance, servicing, and inspection of vehicles under expert supervision. Understood the functioning of key automobile systems including engine diagnostics, suspension, braking, and transmission systems. Gained hands-on exposure to workshop operations including tool handling, safety protocols, and standard operating procedures (SOPs). Learned customer interaction protocols and job card preparation for vehicle servicing. Worked collaboratively with senior technicians and engineers, enhancing team communication and time management skills.

● PROJECT ON ELECTRIC VEHICLES

APRIL 2024 - MAY 2024

Team leader, project manager

During our project aimed at alleviating electric vehicle charging challenges, we developed a hybrid model combining smart charging algorithms and predictive infrastructure solutions. We first analyzed common issues such as fragmented infrastructure, slow grid response, and range anxiety—challenges widely reported in EV studies. Based on that, we designed an adaptive charging model that uses mixed-integer linear programming alongside a neighborhood search heuristic—techniques proven effective in optimizing EV routing and charging behavior. Our model incorporates demand-response features, time-of-use tariffs, and vehicle-to-grid flexibility to flatten peak loads and reduce charging costs. We validated our model via simulations, demonstrating improved charger utilization, reduced queue times, and enhanced grid stability under variable demand. Ultimately, our perception-driven solution improves user accessibility.

ACHIVEMENTS

Scored distinction in Diploma in Mechanical Engineering from G.B. Pant Institute of Technology. Completed a certified industrial internship at Volkswagen India Pvt. Ltd. Participated in a technical project on electric vehicle charging infrastructure and presented a model based solution. Consistently maintained above-average grades in core mechanical subjects like Thermodynamics, machine design and fluid mechanics. Secured top 15 position in class during final year diploma exams. Attended seminars and workshops on renewable energy, automotive design, And smart manufacturing.

CONTACT

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delhi

EDUCATION

2021 - 2024

G.B. PANT OKHLA PHASE 3

- Diploma in mechanical engineering
- CGPA - 8.02

SKILLS

- Communication
- Mechanical engineering
- Teamwork
- Operation management
- Leadership
- thermodynamics
- AutoCAD
- Quality control

LANGUAGES

- ENGLISH
- HINDI
- URDU