



# Awais ul haq

**Nationality:** Pakistani **Date of birth:** 02/02/2000 **Gender:** Male

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## WORK EXPERIENCE

### Automotive/automobile parts sale

**Toyota motors** [ 21/04/2024 – 30/10/2024 ]

**City:** Multan | **Country:** Pakistan

- Manage sheets of car coming for repair
- Engaging with customers
- Enhancing knowledge of customers about parts/vehicles
- Inventory management
- Provide customer's satisfaction
- Welcoming environment

### Automobile designer

**Buraaq E Drive** [ 20/01/2024 – 20/04/2024 ]

**City:** Lahore | **Country:** Pakistan

- Design Contribution: Played a pivotal role in the production process, particularly in refining e-bike design frame using Solidworks and assembly techniques.
- Quality Assurance: Provided valuable assistance in ensuring adherence to high vehicle quality standards.
- Skill Enhancement: Successfully led the design and development of a cutting-edge battery pack tailored for the Buraaq model, showcasing proficiency in advanced energy storage solutions and automotive technology integration.

### Engineering Intern

**Honda Atlas Cars Pakistan Limited** [ 11/2023 – 12/2023 ]

**City:** Lahore | **Country:** Pakistan

- Quality Control: Inspection and feedback of problematic parts, market quality using QC Methodologies.
- Supply Chain Management: Sourcing, warehousing & Inventory management of local parts and CKD.
- Production Control: Oversaw all the departments of HACPL i.e. Paint, Welding, Vehicle Quality, Production Control & applied quality standards, overlook ERP Management, implemented 5S.

### Executive engineer

**SBF stainless steel pipes manufacturer** [ 08/2023 – 11/2023 ]

**City:** Lahore | **Country:** Pakistan

- Continuous operation of work
- Manage strips records
- quality control
- pipe size measurements
- optimized quality
- inventory control

- polishing supervision

## Automotive Internee

**Pakistan Railways** [ 06/2022 – 07/2022 ]

City: Lahore | Country: Pakistan

- Led locomotive manufacturing and maintenance initiatives at Pakistan Railways, demonstrating expertise in tool manufacturing, machining, engine repair, and spring fabrication.
- Gained insight about the day-to-day operations of a national transportation system and how different departments together to achieve common goals.
- Acquired knowledge about the safety protocols and regulations that govern railway operations.
- Developed communication, problem-solving, and critical thinking skills in a professional environment.
- Demonstrated a commitment to learning, growth, and professional development.

## EDUCATION AND TRAINING

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### Bachelor of Science in Automotive Engineering

**University of Engineering and Technology, Lahore** [ 14/10/2019 – 31/08/2023 ]

City: Lahore , punjab , | Country: Pakistan | Website: <https://www.uet.edu.pk/> | Field(s) of study: Engineering, manufacturing and construction | Final grade: 2.87/4 | Thesis: Design and Development of automotive corrosion test facility

### FSc. Pre Engineering

**Punjab College**

City: Mian Channu , Punjab , | Country: Pakistan | Final grade: 923/1100

### Matriculation

**Govt Model High School**

City: Mian Channu , Punjab , | Country: Pakistan | Final grade: 862/1100

### AMAL Fellowship

**AMAL ACADEMY** [ 03/2022 – 06/2022 ]

Website: <https://amalacademy.org/>

## LANGUAGE SKILLS

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**Mother tongue(s):** Punjabi , urdu

**Other language(s):** English | Urdu

## DIGITAL SKILLS

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Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access / Autocad and Solidworks / Ansys Workbench, Fluent and CFD (Computational Fluid Dynamics)

## PROJECTS

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[ 09/2022 – 08/2023 ]

### Design and Development of automotive corrosion test facility

 **Creativity:** Designed the project according to the requirements and decided the best setup for the project.

- 2.3 Time management skill: Completed projects, reports, thesis, presentations, and assigned tasks on time.
- 2.3 Report writing Skill: This skill is enhanced while working my FYP project thesis and progress reports.
- 2.3 Teamwork skill: Coordinated with a team of 3 members to carry out the project.
- 2.3 Leadership skill: My coordination with my teammates, The worthy supervisor and FYP convener helping us to complete the project.

### **Measurement of Dynamic and Static Pressure**

- Implemented an innovative project leveraging Arduino technology and a pressure sensor to measure both dynamic and static pressure accurately.
- Demonstrated versatility by measuring both dynamic and static pressure.

### **To investigate and analyze carbon compound emissions of diesel using Lombardini engine mounted on Thepra test bed**

- Led a diesel emissions study on a Lamborghini engine with an EMS-5002 Exhaust Gas Analyzer, analyzing and graphing HC, CO<sub>2</sub>, CO, and NO<sub>x</sub> emissions against engine RPM and torque.
- Contributed to understanding vehicular emissions' environmental impact, emphasizing risks of pollutants and correlating emissions with engine parameters for comprehensive insights.

### **To investigate performance of Gasoline, Ethanol, and mixture using small Transparent Engine Test Bed**

- Investigated brake power and cylinder pressure characteristics of an Gasoline, Ethanol, Ethanol-Gasoline mixture on a Transparent Engine Test Bed.
- Recorded and analyzed crucial data, demonstrating proficiency in experimental design and their performance.

## **HONOURS AND AWARDS**

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### **Scholarships and Awards**

- Fully Funded Undergraduate Merit-based Scholarship
- Merit-based CM laptop
- Merit-based scholarship