

ABDUL WAHAB

MECHANICAL DESIGN ENGINEER AND PRODUCT DESIGNER

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Portfolio: <https://www.behance.net/gallery/215636069/Abdul-Wahab>

Mechanical Design Engineer and Product Designer with 1.5+ years of hands-on experience specializing in SolidWorks-based CAD modeling. Skilled in 3D part design, complex assemblies, and detailed manufacturing drawings in compliance with engineering standards. Proven experience designing industrial machinery, mechanical systems, and consumer products, with a strong focus on accuracy, manufacturability, and functional performance. Adept at transforming concepts into production-ready designs through creative problem-solving techniques and industry standards. I am ready to help turn ideas into reality.

EXPERIENCE

Mechanical Design Engineer | Self- Employed | D12 Markaz, Islamabad, Pakistan

December 2024 – Present

- ☐ Designed precise 3D mechanical parts, assemblies, and production drawings using SolidWorks.
- ☐ Completed multiple mini and industrial projects, including Centrifugal Pumps, Heat Exchangers, Parabolic Troughs, and Phone Casings.
- ☐ Developed consumer and industrial products such as Mixture Machines, Helmets, Toothbrushes, Water Taps, and Waste Bins.
- ☐ Ensured manufacturability, dimensional accuracy, and functional performance in all designs.
- ☐ Collaborated with clients to convert ideas and concepts into practical, cost-effective design solutions.
- ☐ **Skills:** 3D Modeling, 3D Rendering, 2D Technical Drawing, Industrial & Product Design Consultation, Clear Communication, Detail Oriented

US Tax Preparer and Business Consultant | Be-Filing | D12 Markaz, Islamabad, Pakistan

December 2024 – Present

- ☐ As a part time job, I prepare and assist with US individual and small business tax returns
- ☐ Provide ITIN application support (Form W-7) including document review and compliance guidance
- ☐ Assist non-resident and international clients with US tax obligations
- ☐ Ensure filings comply with IRS regulations and documentation requirements
- ☐ **Skills:** US Tax Preparer, IRS Tax Filing, ITIN Applications

EDUCATION

Bachelor of Science | University of Engineering and Technology, Peshawar | Khyber Pakhtunkhwa, Pakistan

September 2019 – October 2023

- ☐ **Field:** Mechanical Engineering
- ☐ **Supervisor:** Professor Usman
- ☐ **Final Project:** Design and Fabrication of Mechanism for Automated Installation of 18 Liter water bottle of Water Dispenser
- ☐ **CGPA:** 2.97 / 4.00

Faculty of Science | WENSAM college, Dera Ismail Khan | Khyber Pakhtunkhwa, Pakistan

September 2017 – June 2018

- ☐ **Field:** Pre-Engineering
- ☐ **Marks:** 886 / 1100

SKILLS & EXPERTISE

- AutoCAD
- SOLIDWORKS
- PRO-E
- Minitab
- MS Office
- Team Work
- Project Management
- Time Management
- Communication
- Emotional Intelligence
- Critical Thinking
- Problem Solving

PROJECTS

Design and Fabrication of Mechanism for Automated Installation of 18 Liter water bottle of Water Dispenser

January 2023 – March 2023

- It is our Final Year Project and I have designed its 3D model.
- Automated the manual process of lifting the water dispenser bottle, reducing human efforts.
- Building a customized solution to the problem, starting from lifting to adjustment on water dispenser, atomization
- Use of many mechanisms to optimize results.

3D model of Hydraulic Car Jack using software PRO-E

September 2021 – November 2021

- Modeling of parts: Create a detailed 3D design of the hydraulic car jack.
- Assembled: Assemble all component connections accurately.

3D model of ToothBrush using Solidworks

September 2021 – November 2021

- Modeling of parts: Create a detailed 3D design of the toothbrush
- Assembled: Assemble all component connections accurately
- Problem:** Traditional toothbrushes contribute to waste and lack proper hygiene.
- Solution:** CLI Toothbrush features a sustainable design with UV technology that eliminates 99.88% of bacteria and includes a travel-friendly case.
- Benefits:** Reduces waste, ensures hygiene, and offers a compact, dual-purpose carry case for travel.
- Functions:** Cleans teeth effectively, sanitizes with UV light, and provides portable protection.

LANGUAGES

- English (Professional)
- Seraiki (Native)
- Urdu & Hindi (Fluent)

CERTIFICATIONS

- Pakistan Engineering Council (PEC), Pakistan
- Certified SOLIDWORKS CAD Design Associate
- Lean Six Sigma White Belt and White Belt (LSSWB and LSSYB)
- Lean Fundamentals and Production
- Data Analytics in Lean Six Sigma
- CPR, AED and First Aid

REFERENCES

- Professor Dr. Naveed Ahmad**
 - Assistant Professor, UET, Peshawar, Khyber Pakhtunkhwa, Pakistan
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