



Tariq Ahmed

Date of birth: 2 May 1995

Nationality: Pakistani

Gender: Male

CONTACT

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ABOUT ME

Mid-level mechanical design engineer with 5 years of experience in molds and dies design, jig & fixtures, fabrication, sheet metal, infrastructure, and civil engineering works.

WORK EXPERIENCE

DEC 2020 – CURRENT – Karachi, Pakistan

CAD/CAM/CAE Engineer

OJ Engineering Automotive Industries Ltd.

- Knowledge and Design Plastic Injection Molds, Die Casting, Rubber, Blow, Extrusion, Sheet metal Dies. Mold Flow Simulation and Analyze using Solid work Plastic and Creo Mold also Expert Mold Base Extension.
- Complex design templates jigs and fixtures to be used as work aids for convenient fabrication of products and parts. Performs 2D and 3D models and drawings for manufacturing to ensure compliance with design requirements and specifications.
- Knowledge of Geometric Dimensioning Tolerancing (GD&T) and material science in engineering manufacturing drawing. Computer-Aided Manufacturing (CAM) Programming Milling and Turning.

(Dies & Molds Manufacturing) / <https://www.ojengg.com/>

MAR 2018 – DEC 2020 – Karachi, Pakistan

Senior Design Officer

Alsons Industries Defense Division

- Develop Product Development Plan (PDP), Manufacturing Quality Plan (MQP), Technical Data Process (TDP), Bill Of Material (BOM), and Failure Modes & Effect Analysis (FMEA).
- Handled project and facility management related complex design modeling 3D and 2D drafting of a mechanical component and dies and mold design with the help of CAD Software. Performed engineering calculations to support component and assembly designs.
- Planned and coordinated their own work-produced schedules for assigned tasks.
- Worked directly with outside vendors and manufacturers to drive design manufacturability.

(Engineering & Development) / <http://www.alsonsgroup.com/>

OCT 2016 – MAR 2018 – Karachi, Pakistan

Assistant Project Officer

Kenwood & Homage

- Designed equipment used in the installation of pipelines and reviewed design system parameters and created technical drawings as well as collaborated with engineering technicians from designing to drawings, and testing prototypes.
- Managing a single or multifunctional design team responsible for delivering projects in accordance with the client's requirements. Design ed and detailed components and assemblies using modeling and surfacing techniques.
- Familiar with BOM and has an understanding of 3D modeling tools for design and coordination purposes and the associated Information attributes that can be assigned and managed within the Model.

EDUCATION AND TRAINING

NOV 2013 – NOV 2016 – Karachi, Pakistan

Technical Diploma Associate Engineer

Karachi Tools Dies & Moulds Centre (KTDMC)

Field(s) of study

- Dies & Moulds

<http://www.ktdmc.com/>

JUL 2007 – JUL 2009 – Karachi, Pakistan

Matriculation

Govt. Boys Secondary School

Field(s) of study

- Science

Training

- Basic Fire Fighting ● Project Management
- Basic First Aid ● MS Project
- Health & Safety ● TOYOTA & UNAF 5S, Lean Manufacturing

Courses

- British Certified Computer-Aided Design And Manufacturing (City & Guilds).
- British Certified Computer-Aided Design Civil (City & Guilds).
- Certified Diploma in Information Technology. (American Institute).
- Certified Autodesk Fusion 360 Integrated CAD/CAM/CAE (Coursera).
- Certified Autodesk Fusion 360 Engineering Design Process (Coursera).
- Certified Autodesk Professional Design And Drafting (Coursera)
- Certified Mastercam University CNC Programming 2D,3D Milling & Turning.

DIGITAL SKILLS

Solidworks (Professional Proficiency) / AutoCAD (Professional Proficiency) / CREO Parametrics / Pro/ENGINEER / Fusion 360 / CIMCO (Machining process simulation) - Advanced / Cura 3D Printer / Adobe In Design and Photoshop / Microsoft Office (Excel PowerPoint Word) - advanced level / Microsoft Visio / Microsoft Outlook / NX Siemens (Intermediate Level) / CAD Modelling / CAM Programming / CAE ANSA / Autocad Civil 3D / Reverse engineering / 3D Shine Scanner / Forward Engineering / Mold Flow Simulator

LANGUAGE SKILLS

MOTHER TONGUE(S): Urdu

OTHER LANGUAGE(S):

English

Listening
C1

Reading
C2

**Spoken
production**
C1

**Spoken
interaction**
C1

Writing
C1

DRIVING LICENCE

● **Driving Licence: A**

● **Driving Licence: B**